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PREPARATION OF SPECIAL INSTRUCTIONS

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CADASTRAL SURVEY COOPERATIVE TRAINING

U.S. DEPARTMENT OF THE INTERIOR March 3, 1849

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Cadastral Survey 1980

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April 1, 1981

Information Memorandum No. DSC-81-51
Expires 9/30/82

To: AFO's

From: Director, Denver Service Center

Subject: Training Publication "Preparation of Special Instructions"

Enclosed is a copy of Cadastral and Mapping Training Staff's publication, "Preparation of Special Instructions."

You may obtain additional copies from the Denver Forms Center, D-559B. Please use the reference code, P-171 when ordering.

Dolan R. Hyde

ACTING

1 Enclosure
Encl. 1 - "Preparation of Special Instructions"

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CADASTRAL SURVEYING
COOPERATIVE TRAINING PROGRAM

PREPARATION OF SPECIAL INSTRUCTIONS

Historical Introduction

Special Instructions are an historical part of every Cadastral Survey of the public lands of the United States. They were instituted by Rufus Putnam, the first Surveyor General, in 1796. Putnam issued (written or verbal) Special Instructions to all of his Deputy Surveyors, along with the written contract for executing the Survey of public lands in Ohio. The same policy was used by all of the other subsequent Surveyors General.

The Secretary of the Treasury and (after 1812) the Commissioner of the General Land Office often referred to the need for Special Instructions, and eventually began to require that a copy of the Special Instructions and the contract for the Survey be sent to the Commissioner in Washington, D.C.

The 1851 and 1855 Manuals of Surveying Instructions contain a form of contract in which the Deputy Surveyor swears to execute the Survey according to the laws of the United States, and the instructions of the Surveyor General.

The Act of May 30, 1862, 12 Stat. 409, Secs. 1 and 2 are as follows:

> Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, that contracts for the survey of the public lands shall not become binding upon the United States until approved by the Commissioner of the General Land Office, except in such cases as said Commissioner shall otherwise special order.
>
> SEC.2. And be it further enacted, that the printed manual of instructions relating to the public surveys, prepared at the General Land Office, and bearing date February twenty-second, eighteen hundred and fifty-five, the instructions of the Commissioner of the General Land Office, and the special instructions of the Surveyor General, when not in conflict with said printed manual, or the instructions of said Commissioner, shall be taken and deemed to be a part of every contract for surveying the public lands of the United States.

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Thus, the manual was made into law and Special Instructions were required by law.

On May 3, 1881 a new Manual of Surveying Instructions was issued and contained similar requirements about Special Instructions.

On January 1, 1890 a new Manual was issued containing the following paragraph:

> One of the most important duties to be performed by the Surveyor-General, is to provide the Deputy Surveyor with Special Instructions, in connection with the contract, prepared in accordance with law, which instructions are not to be limited to calling attention to certain paragraphs in this Manual, reiteration of its requirements and in providing the deputy with a printed copy of directions of a general nature; but they must, in all cases, and particularly for the survey of exteriors, be specific in character, with all necessary detailed statements setting forth what the deputy is to do and how the work is to be performed. Before making out special instructions, the Surveyor-General will cause a thorough examination to be made of the field notes and plats of older surveys of standard and townships lines upon which the deputy is to base his work, and give him full information-both written and graphic of the exact condition of adjoining surveys, with all irregularities that may be found, carefully and clearly noted, with all necessary instructions for his guidance if he finds everything as it should be, and, in addition, advise him, so far as he can, what to do in case the surveys on the ground are not as represented in the old notes.

The 1890 Manual was made part of every contract by the Act of October 1, 1890, 26 Stat. 650.

The 1894 and 1902 Manuals contained identical requirements in relation to Special Instructions. They were enacted into law by the Act of August 15, 1894, 28 Stat. 285 and the Act of April 26, 1902, 32 Stat. 388.

The Civil Appropriations Act of June 25, 1910, 36 Stat. 703, abolished the contract system of executing the public land surveys and with very few exceptions the Cadastral Surveys have been performed by direct employees of the General Land Office and Bureau of Land Management ever since.

The Contract and Special Instructions were the necessary authority for a Deputy Surveyor to officially execute a Cadastral Survey. If he were to go in the field and run survey lines without those authorities the Survey would be worthless. The Courts have consistently ruled that a survey of the public lands is not

official until all the requirements are met, i.e., the "Surveyor General" is authorized to execute the survey, the "Deputy" Surveyor is properly authorized by the "Surveyor General", the field work is completed with monuments set, the field notes are written, the plat constructed in accordance with the field notes, the plat and notes properly approved, and the approved plat filed in the proper Land Office.

With the advent of the "direct system" the contract with a Deputy Surveyor became obsolete. The "Deputy Surveyor" became a direct employee and is now called a "Cadastral Surveyor" or "Land Surveyor". As a direct employee the Surveyor has no more authority than did a Deputy Surveyor to execute a Cadastral Survey without proper authority. He receives this authority through the Special Instructions and Assignment Instructions.

The contracts under the Surveyors General were numbered in sequence within a given surveying district under the supervision of the particular Surveyor General. When the "direct system" began in 1910 the "Group Number" method was substituted for the contract number. The first survey in a State (under the direct system) was called "Group No. 1", the second "Group No. 2", and so on. The Group numbers are still numbered serially.

When a Cadastral Survey executed by the Bureau of Land Management (especially resurveys) is protested, or contested in court, the first documents requested by the attorney are the plat, field notes and Special Instructions which authorized the resurvey. Because of that fact the Special Instructions should be clear, concise, properly prepared and authorized.

INTRODUCTION

The Manual of Surveying Instructions, 1973, Sections 7-1 through 7-3, deals briefly with the proper method of preparing Special Instructions. These instructions are an essential part of any Cadastral Survey, original or resurvey, and when properly approved by the designated officials of the Bureau of Land Management, are the necessary authority to conduct an original survey or resurvey.

As outlined in Section 7-2 of the Manual, there are certain standard statements made in every set of Special Instructions preliminary to the specific information pertinent to the particular survey or surveys being authorized.

No two Cadastral Surveys are ever identical. The original survey of one township may be nearly identical to the survey of the adjoining township, but they are not, for at the very least they are identified by different township and range numbers. There are many variations in the authority for doing the work, the appropriation to be charged with the expense, the limit and character of the work, and very often the history of previous surveys in the area. The history may require only one or two sentences, or may contain several pages. The method and order of procedure may frequently be brief and thoroughly covered by the Manual, or it may be complex, as in the case of completion surveys, water boundary resurveys, etc. The diagrams of the work to be performed may also be quite brief, or complex, as the situation dictates.

It often occurs that when the Special Instructions are prepared there has been no investigation made of the condition on the ground of the existing surveys, by a Cadastral Surveyor. As field retracements and work progress, complications arise that were not anticipated and a change in instructions is necessary. The change is made by issuance of Supplemental Special Instructions, or perhaps more work is added because further requests expand the work to be done, making Supplemental Instructions necessary. Unless authorized by the Special Instructions the surveyor has no authority to expand the work on his own initiative.

If it is found that not all of the work called for by the Special Instructions is really required, or an error was made in preparing them, the Special Instructions may be changed by issuance and approval of Amended Special Instructions. The Supplemental Instructions usually are used to add to the original Special Instructions, whereas Amended Instructions correct or delete part(s) of the original.

On infrequent occasions Special Instructions are prepared to authorize an investigative retracement of the original surveys, to develop information and determine the conditions and complications on the ground. The Special Instructions should then require that the field surveyor make a full report of the situation and facts to the Supervising Office, along with a possible solution. After a course of action or procedure is decided upon, Supplemental Special Instructions are then issued, detailing the procedures to be followed in executing the resurvey, survey or completion survey, all as the case may be.

The Special, Supplemental or Amended Special Instructions are always written in the third person. Usually four sets of Instructions are prepared - the original and three carbon copies, all on quality paper, and are identified as the original, duplicate, etc. Xerox copies are undesirable because the paper deteriorates with time.

At the present time (November 1979) there are eleven BLM State Offices and the Eastern States Office, which have authority for approving Special Instructions. In addition, Cadastral Surveys are performed, on a reimbursable basis, by the Western Field Office in Portland, Oregon and the Denver Service Center, in Denver, Colorado. The Branch (Division) of Cadastral Surveys in the State Office is responsible for the preparation of Special Instructions in their areas of jurisdiction. In the Denver Service Center and Western Field Office, the usual procedure is that those offices prepare the Special Instructions for the reimbursable surveys to be executed by the Surveyors under their supervision. Usually they are signed by the Branch Chief in D.S.C. or W. F. O. and then sent to the appropriate State Office for approval.

The Assignment Instructions are issued and signed by the Branch Chief who supervises the Surveyor being assigned to the work. The exceptions are in Idaho and Oregon. In those states, most of the Cadastral Surveyors are stationed in District Offices. In those cases, the Assignment Instructions are written and signed by the District Manager. But the Special Instructions are still prepared and approved in the State Office.

Another exception is in Alaska. In that state the volume of work is very great. There, the Special Instructions are prepared in a Branch of Office Engineering and then approved by the Chief, Division of Cadastral Surveys, who has been delegated that authority.

A word of caution: The Special Instructions CANNOT supersede or modify the requirements of the Manual of Surveying Instructions. They can only supplement the Manual, not change it. This is not to be construed that the Special Instructions are written in such a manner that they just repeat the Manual. They are to contain information and directions which the Manual cannot do for every specific survey project.

The necessary Assignment Instructions are used to assign the work to a particular Cadastral Surveyor or surveyors. Usually the Assignment Instructions are the means by which the Cadastral Surveyor is given additional information - when to begin the work, project number, coding, etc. - and perhaps a few cautions on how to proceed.

To sum up - there are three essential documents required by regulation (and judicial opinion) before a cadastral survey can be executed; these are:

(1) The written request for the survey, including proper justification.

(2) The Special Instructions and any necessary Supplemental Special Instructions.

(3) The Assignment Instructions.

The Special Instructions are a required quasi-legal document authorizing a cadastral survey. Important guidelines for the proper and adequate preparation of them are contained on the following pages.

PREPARATION OF SPECIAL INSTRUCTIONS

Section 7-2, Manual of Surveying Instructions, 1973

Items (1) and (2)

TITLE and PRELIMINARY STATEMENT

Included in the TITLE are: The Department, name and address of the office issuing the Special Instructions, date, group number, nature and location of the Survey(s) to be executed. The Group Number is assigned, in serial order number, by the appropriate Branch of Cadastral Surveys, i.e., State Office.

The PRELIMINARY STATEMENT (Item (2)) is standard phraseology which is usually taken directly from the Manual of Surveying Instructions. Some variations may be made according to the particular survey to be executed, and in any Supplemental Special Instructions.

The following examples indicate the usual style and format and are taken from approved Special Instructions from various state offices.

United States Department of the Interior
Bureau of Land Management
State Office
729 NE. Oregon, P. O. Box 2965
Portland, Oregon 97208

May 25, 1979

SPECIAL INSTRUCTIONS

Group Number 985, Oregon

Survey of Swagg Island,
T. 41 S., R. 13W., Willamette Meridian, Oregon

In the execution of the surveys included under Group Number 985, Oregon, the Chief of Party is authorized and directed to make the described examinations, retracements, reestablishments of points of control, surveys, and resurveys hereinafter set out. He will be guided by the Manual of Surveying Instructions, 1973, the provisions of the following special instructions, and such supplemental instructions as may be issued pursuant to the report of complications developed during the progress of the work or by reason of additional authorization.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Division of Cadastral Survey
Federal Building/U.S. Court House
701 C Street, Box 13
Anchorage, Alaska

SPECIAL INSTRUCTIONS

U. S. Survey No. 6294
Alaska

May 16, 1979

These instructions provide for the survey of a tract of land situated approximately 22 miles easterly of Paxson, Alaska, at approximate latitude 63°03.9' North, longitude 144°53.3' West, to accommodate an application for a HEADQUARTERS SITE filed by Eldon Brandt under Serial No. F-034633.

In the execution of the surveys included under U. S. Survey No. 6294, Alaska, the Chief of Field Party is authorized and directed to make the described examination, retracements, reestablishment of points of control, surveys, and resurveys set out in these instructions. He will be guided by the Manual of Surveying Instructions, 1973, the provisions of the following Special Instructions, and such supplemental instructions as may be issued during the progress of work.

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WYOMING STATE OFFICE
P. O. Box 1828
Cheyenne, Wyoming 82001

April 3, 1979

SPECIAL INSTRUCTIONS

GROUP NO. 406, WYOMING

Providing for the retracement and dependent resurvey
of the subdivisional lines,
Township 19 North, Range 93 West,
Sixth Principal Meridian, Wyoming

In the execution of the surveys included under Group No. 406, Wyoming, the chief of the field part is authorized and directed to make the described examination, retracements, resurveys, and surveys hereinafter set out. He will be guided by the Manual of Surveying Instructions, 1973, the provisions of the following Special Instructions, and Supplemental Instructions as may be issued pursuant to the report of complications developed during the progress of the work or by reason of additional authorization.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Colorado State Office
Branch of Cadastral Survey

August 1, 1977

SPECIAL INSTRUCTIONS
GROUP 661, COLORADO

Providing for the dependent resurveys of a portion of the Silverton Townsite and certain Mining Claims, and the metes-and-bounds survey of Tract 38, in unsurveyed Township 41 North, Range 7 West, New Mexico Principal Meridian, Colorado.

In the execution of the surveys included under Group 661, Colorado, you are authorized and directed to make the necessary retracements, dependent resurveys and surveys hereinafter set out. You will be guided by the Manual of Surveying Instructions, 1973, the provisions of the following special instructions, and such supplemental instructions as may be issued pursuant to the report of complications developed during the course of this survey, or by reason of additional authorization.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MONTANA STATE OFFICE

DIVISION OF TECHNICAL SERVICES
BRANCH OF CADASTRAL SURVEYS

FEBRUARY 24, 1976

SPECIAL INSTRUCTIONS

Providing for the investigation and conditional survey of two islands in Horseshoe Lake, in section 23, Township 27 North, Range 28 West, and an island in Bull Lake, section 29, Township 29 North, Range 33 West, of the Principal Meridian, Montana.

UNDER
GROUP NO. 616, MONTANA

In the execution of the surveys included under Group No. 616, Montana, the Chief of Party is authorized and directed to make the described surveys hereinafter set out and will be guided by the Manual of Surveying Instructions, 1973, the provisions of the following Special Instructions and such supplemental instructions as may be issued pursuant to the report of complications developed during the progress of the work, or by reason of additional authorization.

United States Department of the Interior
Bureau of Land Management
Oregon State Office
729 NE. Oregon
Portland, Oregon 97208

March 21, 1974

SPECIAL INSTRUCTIONS

Group No. 834, Oregon

Dependent Resurvey of a Portion of the Subdivisional Lines
T. 31 S., R. 7W., Willamette Meridian, Oregon

In the execution of the surveys included under Group No. 834, Oregon, the chief of field party is authorized and directed to make the described examination, retracements, reestablishments of points of control, surveys, and resurveys hereinafter set out. He will be guided by the Manual of Surveying Instructions, 1973, the provisions of the following special instructions, and such supplemental instructions as may be issued pursuant to the report of complications developed during the progress of the work or by reason of additional authorization.

United States Department of the Interior
Bureau of Land Management
State Office
729 NE. Oregon, P. O. Box 2965
Portland, Oregon 97208

July 10, 1979

SUPPLEMENTAL SPECIAL INSTRUCTIONS

Group Number 834, Oregon

Corrective Dependent Resurvey of a Portion of the Subdivisional Lines

T. 31 S., R. 7 W., Willamette Meridian, Oregon

The Special Instructions for Group Number 834, Oregon, dated March 21, 1974, are hereby supplemented to provide for the corrective dependent resurvey of the lines between sections 3 and 10, 9 and 10, 10 and 11, the west one-half mile between sections 2 and 11, and the south one-half mile between sections 2 and 3, T. 31 S., R. 7 W., Willamette Meridian, Oregon.

The lines dependently resurveyed under Group Number 834, Oregon, were executed by Owen C. Chatters, II, Cadastral Surveyor, in 1974, as shown on the official plat of survey accepted June 29, 1978. Subsequent to the acceptance of the resurvey, it was reported by a lumber company that there were certain significant differences in bearings and distances between the 1978 plat and actual field conditions.

An investigation was made by a cadastral surveyor from the Roseburg District Office in May 1979. The investigation disclosed a one chain error in measurement between the corner of sections 10, 11, 14, and 15, and the 1/4 section corner of sections 2 and 3. The investigation report also listed considerable differences in bearings and distances for the west one-half mile between sections 3 and 10, and the north one-half mile between sections 9 and 10.

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT
STATE OFFICE
Federal Office Bldg., Room E-2841
2800 Cottage Way
Sacramento, California 95825

Dec 7, 1978

SPECIAL INSTRUCTIONS
GROUP NO. 729, CALIFORNIA

Providing for the Dependent Resurvey of Section 1 and Mineral Survey No. 5091, Township 47 North, Range 8 West, Mount Diablo Meridian, California.

In the execution of the surveys included under Group No. 729, California, the Chief of Field Party is authorized and directed to make the described examinations, retracements, reestablishments of points of control, surveys, and resurveys set out in these instructions, and will be guided by the Manual of Surveying Instructions, 1973, edition, the provisions of the following Special Instructions, and such supplemental instructions as may be issued pursuant to the report of complications developed during the progress of the work or by reason of additional authorization.

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT
STATE OFFICE
Federal Office Bldg., Room E-2841
2800 Cottage Way
Sacramento, California 95825

May 31, 1979

SUPPLEMENTAL SPECIAL INSTRUCTIONS NO. 1
GROUP NO. 729, CALIFORNIA

Providing for the Dependent Resurvey of Section 2, and Mineral Surveys in Section 2, Township 47 North, Range 8 West, and, the Dependent Resurvey and Subdivision of Section 35 and Mineral Surveys in Section 35, Township 48 North, Range 8 West, Mount Diablo Meridian, California.

The Special Instructions for Group No. 729, California, dated December 7, 1978, are hereby supplemented with the following additional work.

Item (3)

AUTHORITY

At the present time (November 1979) the Branch of Cadastral Surveys in the Bureau of Land Management has no authority to initiate a survey or resurvey. Original surveys, or resurveys, must be requested by some other unit of the BLM such as the District Manager, Division of Lands and Minerals, etc., or by another Federal agency, such as the Forest Service, National Park Service, Bureau of Indian Affairs, etc. The request may also be initiated by private citizens, States, corporations, companies, or a court of competent jurisdiction, under certain laws and acts of Congress.

In the Special Instructions the source of the request for survey must always be identified. If requested by a source other than the BLM or another Federal Agency, any special act of Congress allowing or pertaining to the request should also be cited.

At the present time the authority to approve the Special Instructions has been redelegated to the State Directors pursuant to 43 U. S. C. 2, and Bureau Order No. 701, dated July 23, 1964, as amended. There have been twenty eight (28) amendments of this Bureau Order. Amendment No. 28 is dated June 4, 1979, and was published in the Federal Register, Vol. 44 on Thursday, June 7, 1979. Part I, Sec. 1.4., Part II, Sec. 2.4. Part V, Sec. 5.0. and Part IX, Sec. 9.0, redelegate authority for actions pertaining to Cadastral Surveys to the State Directors, Land Office Managers, the Chief, Division of Cadastral Surveys, W. O., and Chief, Cadastral Survey Examination and Approval Staff (in Denver). Some State Directors may have redelegated the approval of Special Instructions to the (State) Chief, Division of Technical Services, pursuant to Part I, Sec. 1.1, (a) (1) of Bureau Order No. 701.

When preparing Item (3) of the Special Instructions it is advisable to know who is to approve the Instructions and what are the prevailing requirements with regard to Bureau Order No. 701. For instance, the present requirement in Idaho is that Bureau Order No. 701 must be cited under the "Authority" heading (Item 3) in the Special Instructions. So far as is presently known--this is the only State with that particular requirement.

When duly signed and approved the Special Instructions are the tangible written document and authority to execute a Cadastral Survey or resurvey.

Examples of Item (3) Authority taken from recently approved Special Instructions follow:

Authority

The request for this resurvey is from the Eugene District Manager, dated March 29, 1976, to facilitate timber sales and for other administrative purposes of the Bureau of Land Management. This resurvey is being done for Forestry.

AUTHORITY

The request for the work in section 2, T. 47 N., R. 8 W., MDM., is from the U. S. Forest Service, by memorandum dated May 14, 1979, and for the work in section 35, T. 48 N., R. 8 W., MDM, by the Chief, Branch of Lands and Minerals Operations, by memorandum dated May 10, 1979.

AUTHORITY

Secretarial Order dated December 20, 1978 and the Director's Instruction Memorandum No. 79-203, dated January 19, 1979.

Authority

The lot survey has been requested by the Branch of Lands and Minerals Operations, Bureau of Land Management, and the Manager of the Boise District, Bureau of Land Management, to provide a land description for a tract of land to be conveyed to Margaret C. Jacobs, sale being made pursuant to the Mining Claim Occupancy Act of 1962, Public Law 87-851, and approved by the State Director for Idaho pursuant to Bureau Order No. 701, Sec. 1.4(a), dated July 23, 1964, as amended.

Authority

The District Manager, Fairbanks, by memorandums dated September 20, 1974, September 23, 1974, and September 25, 1974, requested the necessary survey in accordance with 43 CFR Subpart 2561, Native Allotments.

Authority

The survey authorized by these special instructions has been requested by the Regional Director, Bureau of Reclamation, Boise, Idaho by letter dated February 19, 1976 for the purpose of defining the boundaries of Bureau of Reclamation land, and approved by the State Director for Idaho pursuant to Bureau Order No. 701, Sec 1.4(a) dated July 23, 1964.

Authority

The survey authorized under these instructions has been requested by Rancho Corta Madera, Inc., by letters dated October 3, 1977 and October 24, 1977, copies attached, pursuant to the Act of July 14, 1960, Public Law 86-649, 43 U.S.C. 1364, providing for contributed funds for Cadastral surveying on federally controlled or intermingled lands.

Item (4) APPROPRIATION

This item in the Special Instructions is introduced with the standard statement: "The costs of the field and office work incurred in the execution of the survey, within approved official regulation, are payable from the appropriation:"

Most Cadastral Surveys of the public land administered by the BLM are payable from the current appropriation for the "Management of Lands and Resources, Bureau of Land Management". This appropriation is the source of the (so-called) "4500" fund allotted for the Cadastral Survey activity within the BLM.

The Forest Service and the Bureau of Land Management have entered into a cooperative agreement to facilitate the land line location program, in the National Forests. The Forest Service transfers funds from their appropriation to the BLM to pay the costs of remonumentation of survey corners or to resurvey lines needed in the location of the boundaries of the National Forest lands. This is commonly refered to (in the BLM) as the "9800 fund" or "9800 activity". The title (or phrase) presently used to identify the appropriation to be charged is: "Protection and Utilization of Forest Lands, Land Line Location Program, Forest Service, transferred to the Bureau of Land Management". This transfer of funds is authorized by the act of May 21, 1920 (as amended) 31 U.S.C. 686, (otherwise known as the "Economy Act").

The BLM also executes Cadastral Surveys for other Federal agencies, on a reimbursable basis as authorized by the Economy Act, including the Forest Service, Bureau of Indian Affairs, National Park Service, Corps of Engineers, Water and Power Resources Service, and Heritage Conservation and Recreation Services. The costs of these surveys are reimbursed to the BLM and are commonly referred to as the "4950" sub-activity. In preparing item (4) of the Special Instructions the Federal agency requesting the survey, the fact that it is a reimbursable activity and the authority to receive the funds should be stated (act of May 21, 1920, as amended, 31 U.S.C. 686).

There are several other acts of Congress, requiring deposits for, or payment of, the costs of cadastral surveys, or allowing for contributing funds. These include, but are not limited to, the following:

Deposits

Act of September 21, 1918
43 U.S.C. 773

Dependent Resurvey or retracement upon application by 3/4 of the owners of private lands in a township, in which more than 50% of the land is privately owned, and they deposit a proportionate share of the estimated cost; or on application by a court of competent jurisdiction.

CONTRIBUTIONS

Act of July 14, 1960
Public Law 86-649
43 U.S.C. 1364
Contributions may be accepted for cadastral surveying performed on federally controlled or intermingled lands.

ALASKA

Some of the special acts of Congress providing for cadastral surveys, requiring deposits or reimbursement, are applicable only in Alaska. These acts include, but are not limited to, the following:

Trade and Manufacturing Site
Section 10, Act of May 14, 1898, as amended
43 U.S.C. 687a - 687a-6
43 CFR 2562

Claimant must pay for the survey of up to 80 acre claim used for Trade and Manufacturing.

Headquarters Site

Act of March 3, 1927, as amended
43 U.S.C. 687a - 687a-6

Claimant must pay for survey of up to 5 acre claim used as headquarters in conducting a business.

The BLM also enters into reimbursable agreements with other agencies in Alaska. Each survey project in these cases are treated individually according to the "contract" or agreement for the amount to be reimbursed.

Some examples of Item (4) APPROPRIATION extracted from recently approved Special Instructions follow:

Appropriation

The costs of the field and office work incurred in the execution of the survey herein directed, within approved official regulations, are payable from the appropriation, "Management of Lands and Resources, Bureau of Land Management".

APPROPRIATION

The cost of the field and office work incurred in the execution of these surveys, within approved regulations, are jointly payable from U. S. Forest Service funds (9800) and appropriated funds entitled, "Management of Lands and Resources, Bureau of Land Management".

APPROPRIATION

The costs of the work incurred in the execution of the surveys herein directed, within approved official regulations, are payable from reimbursable funds made available by the Bureau of Indian Affairs (Act of May 21, 1920, as amended, 31 USC 686).

Appropriation

The cost of the field and office work incurred in the execution of retracement, resurveys, and surveys herein directed within approved regulations are payable from reimbursable funds made available by the Bureau of Reclamation. (Act of May 21, 1920, as amended, 31 U.S.C. 686.)

Appropriation

The costs of the field and office work required for these resurveys and tract survey are payable from the appropriation: 14x8566, Public Law 86-649, "Expenses for Public Survey Work" (Activity 7200, Project 6006, purchaser, Margaret C. Jacobs, has deposited $400.00 with the Idaho State Office of the Bureau of Land Management as the estimated cost of survey for 1-1899.

Appropriation

The costs of the field and office work incurred in the execution of the surveys herein described within approved official regulations, are payable from the appropriation "Protection and Utilization of Forest Lands, Land Line Location Program, Forest Service", transferred to the Bureau of Land Management, as authorized by the Act of May 21, 1920, (as amended) 31 U.S.C. 686.

Item (5)

LIMIT and CHARACTER of WORK

The general trend of most Special Instructions reviewed is to keep Item (5) as brief as is consistent with the survey being authorized.

The type of survey (original survey, dependent resurvey, independent resurvey, retracements, examinations, etc.) is always indicated. The township, range, section numbers, tracts, etc. are identified as indicated in Item (1), the Title. The limiting extent of the work is stated. (thus precluding extensive work not intended to be performed) If sections are to be subdivided, the extent of the subdivision-of-sections should be stated.

If the work calls for a tract survey by other than aliquot parts the description of the tract, governing deed, proclamation, etc., is either stated here, or referred to as an attachment. If used as an attachment this must be attached to ALL sets of Special Instructions, not just the original.

If 1/16 section, or lower order corners (1/64, 1/256) are required to delineate or control intermingled federal lands they may be authorized in this item. The limits of work should not be written to be so restrictive that if control lines or a reasonable amount of investigation is required in adjoining sections that the chief of party would need supplemental special instructions to have authority to perform such work. That is to say, if only the dependent resurvey and subdivision of a section is being authorized the chief of party should be allowed to properly perform that task but not be allowed to resurvey the whole township just because he likes the country or thinks it should be done.

If private rights may be affected by the survey or other known factors should be considered, these facts may be pointed out in Item (5) or can be brought to the attention of the surveyor under Methods and Procedure, whichever seems to be the most appropriate to the particular circumstances of the case.

Selected examples of Item (5) follow:

LIMIT AND CHARACTER OF WORK

The field work embraced in this authorization is limited to the necessary retracements, resurveys and surveys to fully delineate the remaining public land in Township 17 South, Ranges 69 and 70 West, Sixth Principal Meridian, Colorado.

LIMIT AND CHARACTER OF WORK

The field work in this authorization is limited to the retracement and dependent resurvey of a portion of the subdivisional lines and certain mineral surveys, and the metes and bounds survey of certain tracts of land within Sections 22 and 27, Township 14 North, Range 79 West, Sixth Principal Meridian, Wyoming, to the extent necessary to delineate the boundaries of public lands and a tract of land located therein as prescribed by a representative of the U. S. Forest Service at the time of survey. The resurvey of control lines is authorized, providing they control or define Federal lands and can be accomplished without additional retracement.

LIMIT AND CHARACTER OF WORK

The field work embraced in this authorization is limited to the retracement, dependent resurvey, and subdivison of sections 17, 19, and 20, and the delineation and monumentation of an excepted parcel in the E½ of the W½ of the SW¼ of section 17, T. 9 S., R. 34 E., Mount Diablo Meridian, California, to the extent necessary to delineate the boundaries of the Big Pine Indian Reservation. The retracement and resurvey of any necessary control lines is authorized, together with establishment of 1/16 section or lesser order corners, providing they identify federally administered lands and can be accomplished without additional retracement. Anticipated corner monumentation is indicated on Diagram "A" and "B", attached. Points of control for subdivision of sections need not be monumented if they are completely surrounded by patented lands and the owners object to such monumentation.

LIMIT AND CHARACTER OF WORK

The work to be executed under this authorization will be confined to the investigations of two allegedly unsurveyed islands in Horseshoe Lake in section 23, Township 27 North, Range 28 West and an unsurveyed island in Bull Lake, in section 29, Township 29 North, Range 33 West, Principal Meridian, Montana, and the survey of such islands if determined to be in Federal ownership, and such other lines as may be necessary to obtain control.

LIMIT AND CHARACTER OF WORK

The field work embraced in this authorization is limited to the survey of Zwagg Island, which is located in the Pacific Ocean offshore of section 6, T. 41 S., R. 13 W., Willamette Meridian, Oregon, and the retracement or resurvey necessary to connect the island with the public land survey system.

LIMIT AND CHARACTER OF WORK

The field work embraced in this authorization is limited to the retracement and dependent resurvey of the north three miles of the east boundary; the east three miles of the north boundary;

the north boundaries of sections 5 and 6; the lines between sections 1 and 2, 1 and 12, 11 and 12, 12 and 13, 10 and 11, 11 and 14, 10 and 15; the east one half mile between sections 2 and 11; the north one half mile between sections 13 and 14; and the north one half mile between sections 14 and 15, T. 20 S., R. 7 W.; and the investigation of field conditions relative to a possible hiatus between Tps. 20 S., Rs. 6 and 7 W., Willamette Meridian. The resurvey of control lines and the establishment of 1/16 or other minor section corners on these lines are authorized providing they define or control federal public lands and can be accomplished without additional retracement.

LIMIT AND CHARACTER OF WORK

The work to be executed under these instructions will consist of the original survey of lines to the extent required to define the township boundaries and the boundaries of the selected lands within the following townships:

Tps. 15 through 17 N., Rs. 8 through 11 E., Fairbanks Meridian
T. 17 N., R. 7 E., Fairbanks Meridian
Tps. 18 through 22 N., Rs. 9 through 13 E., Fairbanks Meridian

Lines to be surveyed and corners to be monumented in the above-cited townships are shown on the "Plan of Survey," Attachment A-1.

The necessary retracement and/or dependent resurvey of U. S. Surveys Nos. 4481, 5006, 2760A and B, 1251, 715, 4073, and 4387 will be made to determine if erosion or accretion has occurred since the time of the original surveys.

LIMIT AND CHARACTER OF WORK

The field work embraced in this authorization is limited to the retracement and investigation of the existing condition of surveys of the north and east boundaries and the north 20 chs. of the north and south center line of section 3, T. 9 S., R. 1 E., San Bernardino Meridian, California, to the extent necessary to form a basis for determining the methods and procedure for a completion survey and subdivision of section 3.

LIMIT AND CHARACTER OF WORK

The field work embraced in this authorization is limited to the retracement and dependent resurvey of portions of the north and south boundaries and subdivisional lines, T. 24 S., R. 13 W., Willamette Meridian, Oregon, the subdivision of certain sections to the extent necessary to delineate the federal public lands therein, and the survey of certain parcels of land described by metes and bounds description as outlined in red on the attached

Special Instructions Diagram. The resurvey of control lines and the establishment of 1/16 section corners or other corners of these lines are authorized providing that they can be accomplished without additional retracement.

LIMIT AND CHARACTER OF WORK

The original Special Instructions for Group No. 698, California, provided for the dependent resurvey of the first tier of sections in T. 16 S., R. 4 E., San Bernardino Meridian, California. These Supplemental Special Instructions provide for the dependent resurvey of the boundaries of sections 14, 22, and 23, and the survey of the center lines of section 22 together with any necessary control lines to reestablish missing corners. The establishment of 1/16 section corners or lesser order section corners is authorized, providing they mark or control lands of intermingled ownership.

LIMIT AND CHARACTER OF WORK

The original Special Instructions for Group 729, provided for the dependent resurvey of section 1 and Mineral Survey No. 5091. These Supplemental Special Instructions provide for the dependent resurvey of section 2, and mining claims located in section 2, T. 47 N., R. 8 W., MDM., and, the dependent resurvey and subdivision of section 35 and mining claims located in section 35, T. 48 N., R. 8 W., MDM.

Item (6)

HISTORY of EARLIER SURVEYS

The history of previous surveys is probably the most important item in the Special Instructions. To properly execute a dependent resurvey the surveyor must know the complete history of the previous surveys on which his survey is dependent, including private surveys of all types and any litigation pertaining to them.

Most cadastral surveys executed by the BLM (outside of Alaska) are dependent (at least to some extent) on the official cadastral surveys performed in the past. The complete history of surveys pertaining to the survey(s) being authorized should be listed, usually chronologically, giving details of who did the previous survey, the year he did it, what was surveyed and the date of approval or acceptance of the plat. The date of plat approval is important in the chronology because a survey may have been made in the field but the plat not approved until many years later. There is some difference of opinion about whether the plat approval or acceptance dates should be included in the history. Not all States include that information. But it certainly doesn't do any harm, and when a large number of previous surveyors, plats, and supplemental plats exist, any information given the field surveyor which will make his job easier and prevent errors in the field shouldn't be omitted. Any known conflicts between the plat and field notes should be cited and all other known complications.

All resurveys, investigations, examinations, known conflicts, reports, letters of inquiry, litigation, or the like, should be cited, giving the surveyor all the information possible. The surveyor is much less apt to overlook some important detail if he has all the known history. He will then be able to check out further details locally, with a full knowledge of what HE might be looking for in the local records to supplement the history given in the Special Instructions.

The history of surveys may require only one short paragraph, but more often runs to several entries, and occasionally to several pages. This depends on the scope of the survey to be executed, (one section or several townships?) how many preceding surveys have been done and the extent of known local activity.

A few examples of the History of Earlier Surveys, extracted from approved Special Instructions, follow:

History of Earlier Surveys

In 1869 David Thompson surveyed the township boundaries, subdivisional lines and meanders of the Payette River, as shown on the official plat of survey approved January 7, 1870.

HISTORY OF EARLIER SURVEYS

The history of the surveys covering the area for work authorized under these instructions is as follows:

The subdivisions of T. 1 N., R. 37 E. were surveyed by John B. David in 1877 as shown on the official plat of survey approved August 25, 1877. John B. David also meandered the Snake River in 1877. Walter H. Good and Donald N. Duren retraced and resurveyed a portion of the subdivisions and meanders and meandered the Snake River in 1968 as shown on the official plat of survey accepted October 22, 1968.

HISTORY OF FORMER SURVEYS

T. 14 N., R. 43 E.

The west boundary (Reese River Guide Meridian) was surveyed by U. S. Deputy Surveyor C. C. Tracy under Contract No. 3 in 1867. The south and east boundaries, east 4 miles of the north boundary, and a portion of the subdivisional lines were surveyed by U. S. Deputy Surveyors Hatch, Barker and Bridges under Contract No. 57 in 1873.
H. E. S. No. 173 was surveyed by Forest Ranger F. C. Haman in 1917. The south boundary was resurveyed by Cadastral Surveyor James R. Munson under Group No. 545 in 1976.

HISTORY OF PREVIOUS SURVEYS

Section 23, Township 27 North, Range 28 West.

Boundaries of section 23 and the meanders of Horseshoe Lake were surveyed by Burton S. Adams and William C. Weeks in 1902.

Section 29, Township 29 North, Range 33 West

Boundaries of section 29 and the meander of Bull Lake were surveyed by John P. Henselwood in 1903.

Remonumentation of certain corners of section 29 was done by Duane G. Lindenberg under Group No. 517, Montana.

Remonumentation of certain corners of section 29 was done by Woodrow E. Damm, Joseph E. French and Duane G. Lindenberg under Group No. 541, Montana.

HISTORY OF FORMER SURVEYS

The east boundary, the Arizona-New Mexico State Line, was surveyed in 1875 by C. Robbins and retraced in 1902 by W. H. Thorn who monumented Forest Service Boundary points along the east boundary. Lloyd E. Toland resurveyed the east boundary, the Arizona-New Mexico State Line in 1937.

The north boundary, the south boundary, the west boundary, and the subdivisional lines were surveyed in 1883 by W. R. Fitzgerald. The west boundary was resurveyed by Benjamin J. Kinsey in 1925. Gary T. Oviatt, retraced the east boundary, the Arizona-New Mexico State Line from the 210 mile corner to the 211½ mile corner in 1969. At this same time G. T. Oviatt resurveyed a portion of the north boundary and a portion of the subdivisional lines.

HISTORY OF EARLIER SURVEYS

The history of surveys pertaining to this resurvey is as follows:

R. H. Woods surveyed the Eleventh Auxiliary Meridian West (west boundary) in 1882 as shown on the plat of exterior boundaries approved September 8, 1883.

R. H. Woods surveyed the subdivisional lines in 1883, as shown on the plat approved March 1, 1884.

All of the above surveys were subsequently cancelled.

Wilford W. Utterback surveyed a portion of the private land claims and independently resurveyed the west boundary in 1910, as shown on the official plats of resurvey approved November 26, 1913 and accepted June 24, 1914.

Alexander Douglas and Ruban W. Riley surveyed the remaining private land claims and independently resurveyed the subdivisional lines in 1919, as shown on the official plat of resurvey approved July 12, 1921 and accepted January 9, 1922.

HISTORY OF EARLIER SURVEYS

The boundaries of the township, a portion of the subdivisional lines, and the meanders of the Pacific Ocean in the township were surveyed by Sewall Truax, in 1858-59, as shown on the official plat of survey approved January 15, 1959. The plat of survey by Truax does not depict an island in the vicinity of section 6 nor is one mentioned in the field notes.

The boundaries of Donation Land Claims numbers 37 through 43 were surveyed by Sewall Truax, in 1858-59.

The line between sections 3 and 4 was surveyed by William P. Wright, in 1881, as shown on the official plat of survey approved March 2, 1882.

HISTORY OF SURVEYS

1882 - S. W. Foreman returned as surveyed the N. bdy. of T. 12 N, R. 6 E.

1882 - John Haughn returned as surveyed the exteriors, subdivisions and meanders of the right bank of the Klamath River of T. 11 N., R. 6 E.

1882 - John Haughn returned as surveyed the E, S, and W bdys. of T. 12 N., R. 6 E.

1883 - John Haughn returned as surveyed the subdivision and meanders of the right bank of the Klamath River of T. 12 N., R. 6 E.

1920 - Francis E. Joy resurveyed a portion of the 2nd Std. Par. S.

1924 - Francis E. Joy surveyed Indian Allotment Survey Nos. 280, 281, 282, 283, 284, 285 and 286 and made investigations of survey conditions in Tps. 11 & 12 N., Rs. 6 E. (Group 127)

1930 - 1954 - Roger F. Wilson surveyed Indian Allotment Surveys Nos. 310, 311, 312, 313, 314, 315, 316, 321 and 375 and made investigations of survey conditions in Tps. 11 & 12 N., Rs. 6 E. Groups 186, 232 and 238)

1939 - Theodore Vander Meer made investigations of survey conditions in Tps. 11 & 12 N., Rs. 6 E.

1971 - John H. Nelson surveyed Indian Allotment Survey Nos. 383 and 385.

1975 - William D. Jensen remonumented certain original corners of Tps. 11 & 12 N., Rs. 6 E.

FORMER INVESTIGATIONS

Under Special Instructions to cover investigations for Group 186, dated April 26, 1928, Roger F. Wilson retraced a portion of the original surveys in T. 11 N., R. 6 E. and T. 12 N., R. 6 E., HM, and recovered 13 sec. cors. in 13 miles of retracement along the Klamath River and trail. (Copy attached)

Under Special Instructions to cover investigations for Group 238, dated September 5, 1929, T. Vander Meer retraced the west boundaries of Tps. 11 and 12 N., Rs. 6 E. and 2 miles of the north bdy. of T. 11 N., R. 6 E. and recovered 2 sec. cors. in 13 miles of retracements. (Copy attached)

Supplemental Special Instructions dated March 22, 1940 were issued and assigned for the execution of dependent and independent resurveys of Townships 11 & 12 North, Ranges 6 East, and other adjacent townships. These surveys were never executed. (Copy attached)

Item (7)

METHOD and ORDER of PROCEDURE

This part of the Special Instructions is used to instruct the chief of party in the proper methods of conducting the survey. It should be presumed that the chief of party is familiar with and is knowledgeable concerning the overall instructions in the Manual of Surveying Instructions. No attempt should be made to "write the Manual" or unduly repeat procedures that are adequately covered by the Manual. Often it is only necessary to cite chapters or sections of the Manual which are specifically pertinent to the survey being authorized.

If the Special Instructions are providing for the original survey of a township the order in which the boundaries are to be run, direction, distances, closing, etc. is given, and the order of surveying the subdivisional lines, when not normal. If a completion survey, the general order of completion should be indicated. If the Special Instructions are written to include more than one township, the procedure for each township must be given separately, in a logical sequence. The Manual is quite explicit in that regard.

When a dependent resurvey is being authorized the surveyors attention should be called to any particularly relevant sections of the Manual. The lines to be retraced, resurveyed, meandered, subdivision of sections, extent of investigations, (including search and check of local records) establishment of 1/16 section corners and lower order corners, to the extent necessary to define federal public lands, etc., if not covered in Limits and Character of Work, are specified at this time. If an unusual proportioning method (irregular boundary, junior-senior lines) is contemplated the attention of the surveyor should be called to the fact.

If complications are anticipated (hiatus, overlap and the like) directions should be given on the extent to which the surveyor should proceed before making a report, along with his solution to the problem.

Should unusual methods of monumentation be necessary these should be spelled out, with directions for corner markings not covered by the Manual. Closing limits beyond the Manual requirements, line blazing, double chaining, ties to springs and water holes, etc. are included.

If the survey is being made in a populated area, recreational area, or similar area of sensitivity, these conditions should be stated and the surveyor cautioned concerning them.

A statement directing the Chief of party to tie in all triangulation stations or bench marks near to and within the confines of the work should be included. In addition, W.O. Instruction Memo 80-459, "Geographic Coordinates Public Land Survey System (PLSS)" dated April 14, 1980, states:

In order to comply with Departmental Manual Release 757 DM 2.7 and to provide a parcel identifier for the federal lands, all Special Instructions for cadastral surveys will include the requirement that survey projects containing a normal 640 acre section or more will provide for a survey tie to the national geodetic network.

The individual small parcels that fall in areas where it is not economical to make these ties will provide, as a minimum, coordinate identifiers scaled from the appropriate U.S. Geological Survey quad sheets or similar documents.

The methods, procedures and accuracies for the establishment of the geographic coordinates will be stated in the Special Instructions for each project. The maximum allowable absolute error of geographic position will not exceed three meters.

Some offices handle the Triangulation Station and bench marks part of Item (7) as a separate sub-heading. There is nothing wrong with that and may be an advantage in many cases.

To sum up: The Method and Order of Procedure item is used to cover all aspects of the job not adequately covered by the Manual. But it cannot be used to supersede or modify the Manual requirements.

Selected examples follow:

METHOD AND ORDER OF PROCEDURE

An island in any meandered body of water, navigable or non-navigable, known or proven to have been in existence at the date of the admission of a State into the Union, or at the date of the survey of the mainland, if omitted from the survey, remains public land subject to survey.

The Coos Bay District Office reported the physiography of Zwagg Island thusly: Zwagg Island rises abruptly from the sea to approximately 100 feet elevation with a relatively flat top. The sides of the island are near vertical cliffs with the base of the cliffs wave-washed. Zwagg Island is described as being composed of hardrock material separated by a sand beach (Mill Beach) from the hardrock of the mainland. The hardrock connection between the mainland and Zwagg Island is believed to be below mean lower low water 10.0 on the tidal scale (or approximately 3.7 feet below mean sea level which is defined as 0.0 by the U. S. Geological Survey).

Aerial photos taken in September 1973, for the Oregon State Highway Division, depicts Zwagg Island and its relationship to the coastline. National Oceanic and Atmospheric Administration, National Ocean Survey, CHETCO COVE, Nautical Map, depicts a body of water between the mainland and Zwagg Island.

Zwagg Island will be surveyed in accordance with the principles outlined in Sections 3-115 to 3-123 of the Manual, with particular emphasis on the procedure contained in Section 3-122. The Island will be connected to the public land survey system by course and distance tie from the meander corner of sections 6 and 7 on the shore of the Pacific Ocean. If the meander corner is recovered, it will be remonumented and no retracement or resurvey will be required. If the meander corner is lost, it will be reestablished and remonumented by retracing and resurveying the necessary control lines.

An auxiliary meander corner will be established at the mean high tide on the Island. The meanders of the Island will commence and close at the auxiliary meander corner.

Retracements and resurveys will be made in the manner described in Sections 6-1 through 6-32 of the Manual. Proper methods of corner monumentation are described in Chapter IV of the Manual.

With exception of the island, the lands in the area of this survey are privately owned; therefore, great care will be exercised in projecting all lines so as not to damage any private property.

METHOD AND ORDER OF PROCEDURE

The provisions for executing dependent resurveys, as defined in the Manual of Surveying Instructions, 1973, should be followed in identifying and reestablishing corners of previous surveys. They are found in the Manual under the heading Identification of Existent Corners and the Restoration of Lost Corners.

The protection of bona fide rights constitutes one of the basic principles of resurveys, and particular attention is directed to Chapter 5-42 and 6-12 through 6-16 of the Manual. In connection with the foregoing, you will also observe that the restoration of lost or obliterated corners does not involve merely a technical procedure, as outlined under Chapter 5-25, 5-26 and 5-27; but that their positions are also influenced by indirect or collateral evidence, such as roads, fences, and other improvements which are acceptable locally, as defined under Chapter 5-42 of the Manual. Your attention is directed to the necessity of carefully weighing such collateral evidence before restoring an obliterated corner in order to protect those vested rights of claimants which the provisions of Chapter 6-25 through 6-29 of the Manual intend to protect in cases where rigid application of technical rules would defeat the very purpose for which the resurvey is made.

Township 41 North, Range 7 West, contains a number of patented mining claims leaving irregular-shaped areas of public lands intermingled with the claims. It is the purpose of this assignment to resurvey the lines of those claims which are necessary to delineate the private and public lands in and around surveyed Tract 38 and a portion of the Silverton Townsite.

Where a group of mineral claims is encountered, only the lines forming the out-boundary of the group need be taken. The public land areas bounded by these mineral claims will be tested for closure, and ties will be made from the claim corners or intersections with the Tract or Townsite survey or other claims as provided for under Chapter 3-71 of the Manual. Any mineral survey corner marking the boundary of public lands and found to be in poor condition should be remonumented with regulation iron or aluminum corner posts, dependent upon the situation existing at each corner.

In blazing and clearing lines of survey, every effort will be made to do the least possible amount of cutting or trimming of timber con-sistent with your needs in completing this work. You are instructed to obtain permission from private property owners in this area for the cutting and clearing of survey lines. Where permission cannot be obtained, the necessary lines will be run by traverse, triangulation or any other means if at all possible, in order to cross over or around private lands, where such trespass would involve any alteration of surface or vegetation and/or structures.

All corners established or reestablished during the progress of this work will be appropriately marked and witnessed in accordance with Chapter IV of the Manual of Surveying Instructions, 1973, and recorded in the surveyor's field tablets.

Bearings and measurements should be taken with care and precision so that accurate results may be obtained in order to close this work within the limits provided by the 1973 Manual in Chapter 3-46 and 3-124.

METHOD AND ORDER OF PROCEDURE

Retracements and resurveys of the dependent type will be made in the manner described in Chapter V. Section 4, to Chapter VI, Section 32, of the Manual. Proper methods of corner monumentation are described in Chapter IV of the Manual.

Determination or identification of corners which are corners of lands entirely in private ownership will be required, and if the owner thereof objects to the establishment of a monument therein, this fact will be noted and the monumentation will be omitted from the actual survey. During the course of the resurvey 1/16 section corners required to identify boundaries of the public lands will be established and properly monumented. Regulation iron posts will be utilized, except in cases where a monument of other materials (copper-coated steel stake, steel spike, etc.) would be more appropriate.

The protection of bona fide rights constitutes one of the basic principles of resurveys, and particular attention is directed to Chapter V, Section 42, and Chapter VI, Sections 15 and 16 of the manual. In connection with the foregoing, you will also observe that the restoration of lost or obliterated corners, whether

interior or township boundary corners, does not merely involve those techincal procedures as outlined under Chapter V of the Manual, but that their positions are also influenced by direct or collateral evidence, such as corner positions established or reestablished by licensed land surveyors, roads, fences, and other improvements which are acceptable locally, as defined under Chapter V, Section 42, and Chapter VI, Section 27. Your attention is directed to the necessity of carefully weighing such collateral evidence before restoring an obliterated corner in order to protect those vested rights of claimants which the provisions of Chapter VI, Sections 25 and 28, intend to protect in cases where a rigid application of technical rules would defeat the purpose for which the survey is made.

Mineral Survey lines within Sections 22 and 27 will be retraced and the corners will be properly remonumented. Where Section lines intersect Mineral Survey lines, these points will be recorded in the field notes with connections to the nearest Mineral Survey corners along the lines intersected.

A Warranty Deed, dated December 1, 1953, conveyed portions of Mineral Survey Nos. 38 and 122, and Mineral Survey No. 79 to the United States. Certain tracts of land were excluded from this conveyance by metes and bounds descriptions. On June 13, 1955, by Quitclaim Deed, the United States relinquished all rights to a tract of land lying in the NW¼ of Section 22. These tracts of land will be surveyed according to their description to provide proper identification as parcels of land.

The chief of the field party at the time of survey will have a representative from the U. S. Forest Service present to ensure the lines of the proposed land exchange fully describe the land desired.

Measurements and bearings should be taken with care and precision. Available USGS and USC&GS stations should be tied in so that accurate results may be obtained in order to furnish complete control.

Care will be exercised to insure that all information available from licensed land surveyors, professional engineers, and landowners is obtained and utilized in recovering corners in the surveyed area.

Extreme care will be exercised when projecting survey lines so as not to damage the geological, ecological, or archeological environment.

METHOD AND ORDER OF PROCEDURE

The survey of the homesite within these instructions should be as follows:

> Beginning at the point for corner No. 1, a meander corner at the mean-high waterline on the left bank of a channel of the Ambler River, located approximately 0.15 chains southwesterly of a BLM location marker attached to a spruce tree; thence northeasterly, approximately 5 chains to corner No. 2; thence southeasterly, approximately 10 chains to corner No. 3; thence southwesterly, approximately 5 chains to corner No. 4, a meander corner at the mean-high waterline on a channel of the Ambler River; located southeasterly of applicant's garden; thence northwesterly, with meanders along the mean-high waterline on the left bank of the Ambler River, approximately 10.10 chains to corner No. 1, the point of beginning.

The total area of this homesite will not exceed 5.00 acres.

Line 1-2 may be adjusted in a northwesterly direction to accommodate increases in the allotted acreage. Line 2-3 may be adjusted in a southwesterly direction to accommodate decreases in the allotted acreage.

This survey will conform to the closure limit as set forth in Chapter VII, Section 35, of the Manual of Surveying Instructions, 1973. The final closure will be computed using bearings and distances which have been rounded off to the closest minute of angle and the nearest link in distance.

The surveyor assigned is authorized to make minor adjustments. Major adjustments must have prior approval of the officer approving these Special Instructions.

If the channel of the Ambler River is determined nonmeanderable, a straight line will be run between corners Nos. 1 and 4 and corners Nos. 1 and 4 will not be marked as meander corners.

A tie will be made from a corner of this survey to a corner of U. S. Survey No. 6420. All ties will be cross-checked or measured twice for verification.

All corner points will be monumented, witnessed, or referenced according to the specifications as set forth in Chapter IV of the Manual of Surveying Instructions, 1973. Substitute monumentation is permitted where soil conditions or remote location precludes the use of regulation monuments. A complete description of any substitute monument used and an explanation as to the reason for substitution will be given in the field note records. If 3 foot metal sectional type monumentation is used they will be driven to a minimum of 8 feet depth or to point of refusal.

All true lines of this survey will be marked and blazed in accordance with Section 3-125 of the Manual of Surveying Instructions, 1973.

Connection will be made from a monumented point of this survey to each of the improvements within the survey and such description will be recorded as is necessary to properly describe them in the official record.

Pertinent topographic features will be noted, recorded in the field tablet record, on the field sketch plat, and in the final survey returns, in conformance with Sections 3-126, 3-127, and 8-13, respectively of the Manual. There is no requirement to identify swamp and overflowed land as contradistinguished from upland, except as passing calls of topography.

The surveyor will observe with particular attention the banks of all rivers and lakes; giving the height of all banks above mean-high water, the direction of flow of rivers and streams, or bearings in each direction of the shoreline of lakes.

All major changes (rises and descents) of terrain surface will be noted, to ensure continuity for description of topographic relief.

Item (8)

DIAGRAMS and SUPPLEMENTAL DATA

A diagram of the survey(s) or resurveys to be executed should be made a part of all Special Instructions. This diagram is often either a drafted or printed township diagram on which the land status and the lines to be surveyed are indicated in various colors, line weights, or shading. If metes and bounds tract surveys or resurveys of mining claims are involved the diagram is most often drawn to a large enough scale to show what is to be surveyed.

A statement may be made that the field notes, plats, protraction diagrams, quadrangle maps, aerial photographs, deeds, letters, descriptions, proclamations, court decisions, and the like, are attached and made part of the Special Instructions. The land status is frequently indicated by inclusion of the Master Title Plat as a part of the Supplemental Data.

Three examples of the statement format used in preparing item (8) and five typical diagrams follow:

DIAGRAMS AND DATA

You are furnished copies of plats of survey of the township, together with a transcript of the field notes of the survey to the anticipated extent necessary for completing the survey. Additional data will be supplied upon request.

DIAGRAMS AND SUPPLEMENTAL DATA

Copies of maps, field examiner's reports, and a sketch showing the lines to be run and the corner markings will be furnished as data. If additional information is needed, it will be furnished upon request.

DIAGRAMS AND DATA

The diagram accompanying these Special Instructions shows the tract to be surveyed. Any additional data, diagrams or Instructions needed to complete the survey will be furnished upon request.

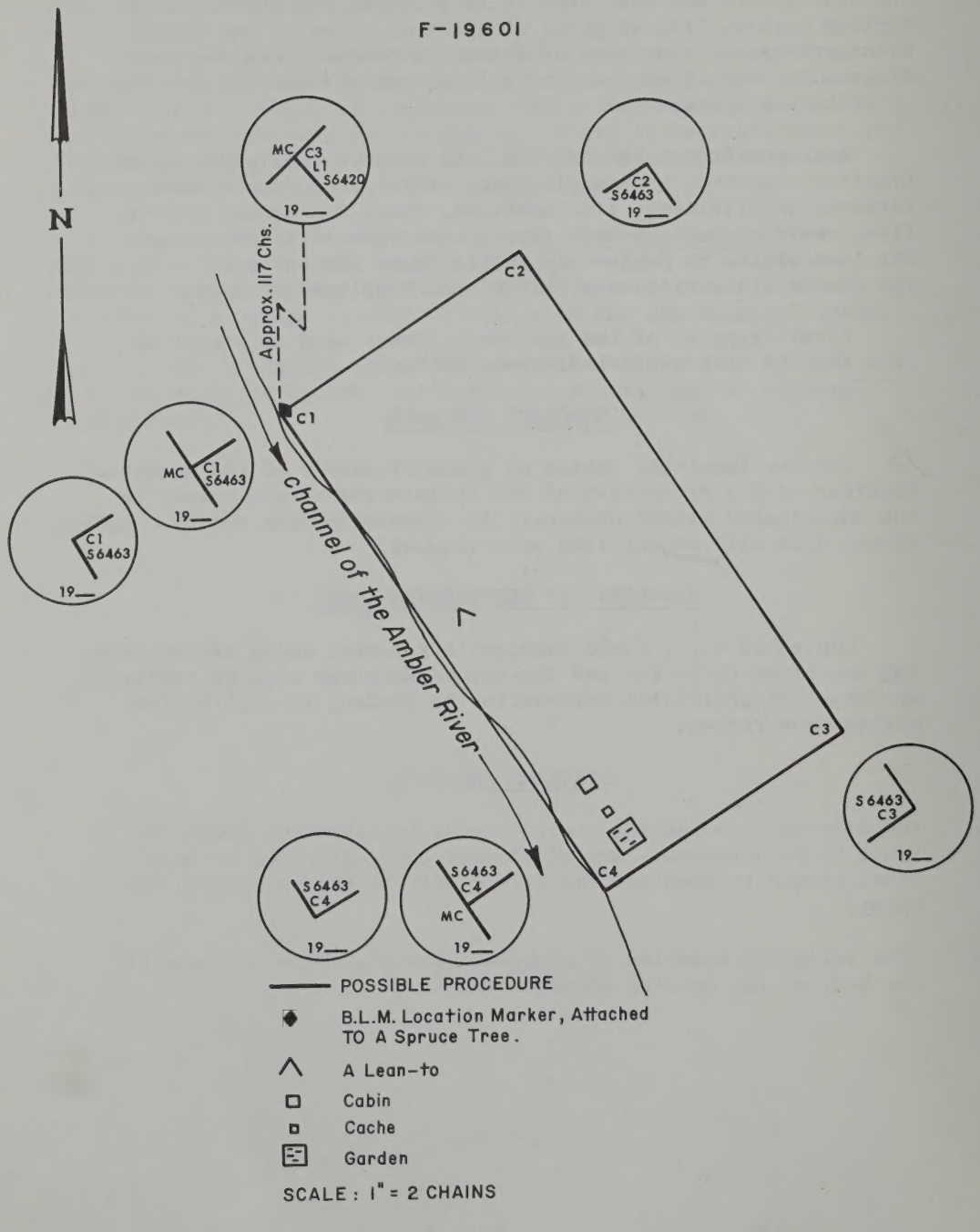
(The following examples of diagrams were affixed at the end of the body of the Special Instructions)

U.S. SURVEY No. 6463

HOMESITE

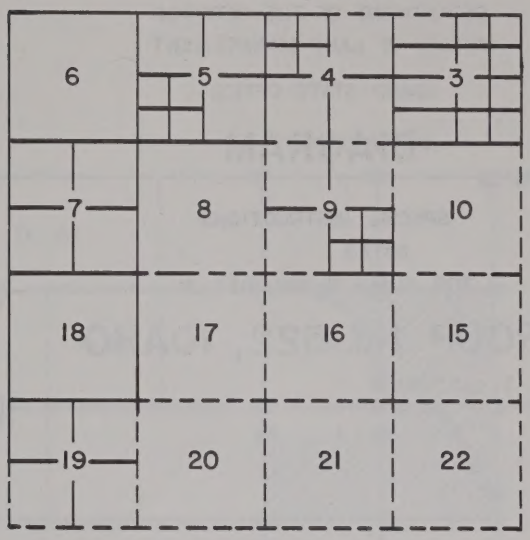
David W. Maranville

F-19601



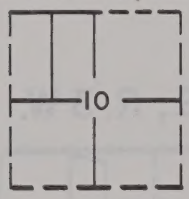
GROUP No. 665, MONTANA

T.5S. R.9W., P.M.M.



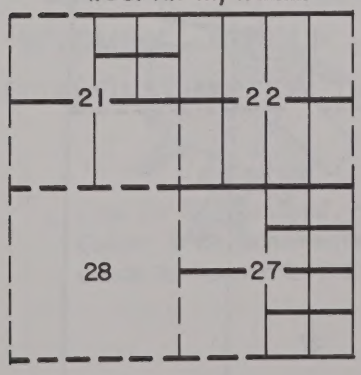
Lines to run

T. 11S. R.7W., P.M.M.



Lines to run

T.8S. R.7W., P.M.M.



Lines to run

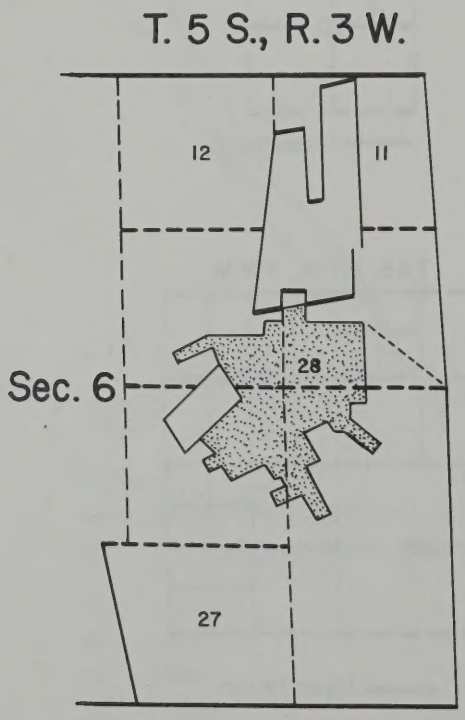
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

IDAHO STATE OFFICE

DIAGRAM

SPECIAL INSTRUCTIONS
DATED
FOR SURVEYS INCLUDED IN

GROUP No. 522, IDAHO



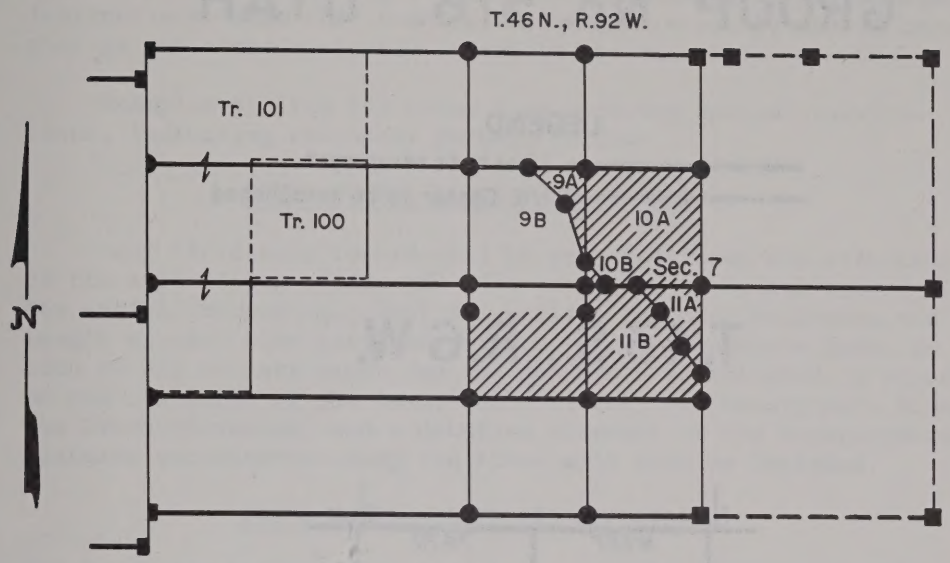


DIAGRAM TO ACCOMPANY

WYOMING GROUP No. 410

AMENDED SPECIAL INSTRUCTION DATED SEPTEMBER 20, 1979

LEGEND

Line To Be Surveyed ——

Corner To Be Monumented ●

Lands To Revert To U.S. ////

SPECIAL INSTRUCTION DIAGRAM

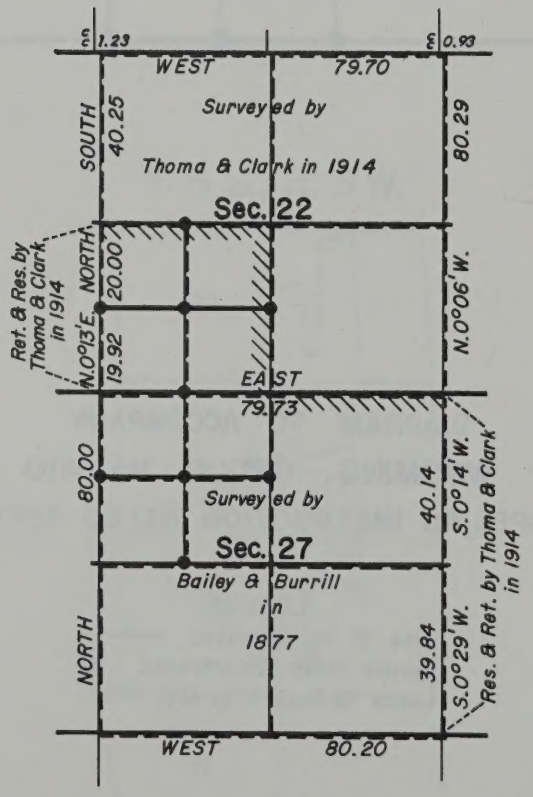
GROUP No. 576. UTAH

LEGEND

Lines to be resurveyed.

1/16 Corner to be established.

T.43 S., R.6 W.



Item (9)

FIELD NOTES, PLATS, and REPORTS

The Manual of Surveying Instructions, 1973, sec. 7-2 (9), is quite explicit concerning what should be included in the Special Instructions under this heading. Nothing more can be stated here that is not already clearly stated in the Manual.

Examples of Item (9) taken from approved Special Instructions, indicating the usual format, follow:

FIELD NOTES, PLATS, AND REPORTS

Your field note record will be prepared under the direction of the supervising office and will contain a technical record of the entire proceeding. Included will be the precise course and length of each line surveyed, with a full and complete description of all corners recovered and monuments established. A report of the character of the land, soil, timber, and undergrowth along the lines traversed, and a detailed schedule of the topographical features encountered along the lines will also be included.

FIELD NOTES, PLATS AND REPORTS

All necessary information, ties to topographic features and line crossing will be noted to prepare field notes and plats as instructed in Chapters VIII and IX of the Manual. Upon completion of the field work, topographic sketch, course and distance diagrams, closure sheets and field notebooks will be filed with the Chief, Branch of Cadastral Survey.

FIELD NOTES, PLATS AND REPORTS

All necessary information, ties to topography features and line crossings will be noted to prepare field notes and plats as instructed in the Manual. You are especially cautioned to make ties to all springs on public land. Upon completion of the field work, topographic sketch, course and distance diagrams, closure sheets and field notebooks will be filed with the Chief, Branch of Cadastral Survey.

FIELD NOTES, PLATS, AND REPORTS

All data pertaining to the official record of these surveys, including data added in the field, together with computation sheets and course and distance diagrams, will be filed in this office upon completion of the surveys and resurveys.

Any unusual methods of survey used to meet abnormal conditions will be completely explained in detail, together with reasons therefore, at the appropriate point in the field note record.

Sections 3-126 and 3-117 of the Manual of Surveying Instructions, 1973, will be followed regarding technical and topographic features to be observed and recorded, and outline diagram to be prepared in the field.

The field note record and the official plat will be prepared under the direction of the Idaho State Office in accordance with appropriate paragraphs of the Manual of Surveying Instructions, 1973.

Item (10)

MODIFICATION of INSTRUCTIONS

A statement should be made, directing the chief of party to promptly report any unforeseen complications, along with his recommendations, requesting further instructions. The field surveyor should not make any major changes in the amount of work or procedures without approval from the office issuing authority for the survey or resurvey being executed.

The statement is usually brief and takes the following form:

MODIFICATION OF INSTRUCTIONS

Should conditions arise that seem to require additional instructions or interpretation of these instructions or make these instructions inapplicable as prepared, the Chief of Party will submit a report of the situation at once with proper recommendations for office consideration.

MODIFICATION OF INSTRUCTIONS

Should conditions arise that seem to require additional instructions or interpretation of these instructions or which make these instructions in-applicable as prepared, a report of the situation will be submitted with appropriate recommendations or request for further instructions.

MODIFICATION OF INSTRUCTIONS

Should conditions arise that require additional instructions or interpretation of these instructions, or make these instructions inapplicable as prepared, the Chief of Party will submit a report of the situation to this office with appropriate recommendations for office consideration.

Sec. 7-3

APPROVAL

The Special Instructions are usually signed by the Chief, Branch of Cadastral Surveys, or other official responsible for their preparation and the technical procedures for executing the survey.

Approval is usually by the State Director or the official to which the authority for such approval has been redelegated pursuant to Bureau Order, No. 701, as amended.

The date of approval and title of the approving official must always be shown. For example:

/s/
Chief, Branch of Office Engineering

Approved Date: 10/3/79

/s/
Chief, Division of Cadastral Survey

cc:
Director DSC (D-401)
(922)

922:LEvans:dmw:9/28/79:x5591

Prepared by:

/s/
Joseph S. Gawron
Cadastral Engineer
Reviewed by:

/s/
Lorin J. Welker, Chief
Division of Technical Services

Approved: OCT 28 1976

/s/
Wm. L. Matthews
State Director

/s/
Fred L. Waskowiak
Chief, Branch of Cadastral Survey

Approved: MAY 4, 1979

/s/
Arthur W. Zimmerman
State Director

cc:
Director (420)
Group File

/s/
SUBMITTED: Lacel E Bland

Lacel E. Bland, Chief
Branch of Cadastral Survey

RECOMMENDED:

/s/
Charles E Hancock Acting
Wm. J. Malencik, Chief
Division of Technical Services

APPROVED:

/s/
E. I. Rowland DATE: 6-22-79
E. I. Rowland
State Director, Nevada

ASSIGNMENT INSTRUCTIONS

The third and last document required before a surveyor can go in the field to perform a Cadastral Survey is his assignment instructions. The Special Instructions are written in the third person and are prepared for any qualified party chief, and may remain valid for many years. The Specials may cover a full township or even several adjoining townships. When the Specials are written, funds may be available or the job may have a high priority, etc., and then something happens and the job can't be assigned till conditions change. Time report coding, travel cost coding and the like should never be put in the Special Instructions because those are housekeeping items which have a tendency to change frequently. The place for all those details is the assignment instructions.

The assignment instructions may also limit the work to be done to a part of what the Specials cover. The Specials may cover the resurvey of a whole township but the assignment instructions can limit the present assignment to only one or two sections.

The assignment instructions can be used to update the history of surveys and direct the surveyor to resume the resurvey. For instance: The Specials may call for the resurvey of a full township. The work was assigned to a Surveyor and work started, but lack of funds (or change in priority) caused a halt in the work. The part(s) done may have been needed immediately so they were written up, platted and approved. Now funds are available and work is to be resumed. The assignment instructions are used to update the history of surveys and assign another surveyor to resume the resurvey. The new work code numbers, etc. are included.

On some occasions the assignment instructions are used to give additional cautions or directions to a new or less experienced surveyor than what was anticipated when the Specials were prepared; or because some law or regulation may have caused a change in conditions. The assignment instructions are directed at the individual who is to do the work, whereas the Special Instructions should not be written for any particular person.

Examples of assignment instructions are:

UNITED STATES GOV NMENT

Memorandum

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WESTERN FIELD OFFICE
P. O. Box 3905
Portland, Oregon 97208

IN REPLY REFER TO:
9180 (WFO)
Gr. 873-0

TO : Jerry E. Barrett, Cadastral Surveyor Date: June 25, 1975

FROM : Chief, Western Field Office

SUBJECT: Assignment Instructions, Group No. 873, Oregon

You are hereby assigned, authorized and directed to proceed with the retracements and resurveys provided for by Special Instructions dated June 20, 1975, for Group No. 873, Oregon.

You have been provided with the research and preliminary investigation data developed for this group. Copies of significant County records, identified in the preliminary investigation, will be obtained and certified if possible for the permanent group file.

Time and attendance and all obligation documents will be coded to 52-131-1920-4908-5741 in FY '75, and to YA-131-1920-4908-6041 in FY '76.

William R. Dunn

cc: WO, 420
SD, Oregon

DSC-1541-2
Mar. 1974

UNITED STATES GOVERNMENT

Memorandum

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WESTERN FIELD OFFICE
P.O. Box 3905
Portland, Oregon 97208

IN REPLY REFER TO:
9653 (D-131)
Gr. 719-C

To : Robert W. Dahl, Party Chief

Date: May 30, 1978

From : Chief, Branch of Cadastral Surveys
Western Field Office

Subject : Assignment Instructions, Group No. 719, California.

You are hereby assigned, authorized and directed to proceed with the Metes-and-Bounds Survey of the Sulphur Bank Indian Rancheria in Sections 5 and 6, T. 13 N., R. 7 W., Mount Diablo Meridian, California, as provided for by Special Instructions dated May 19, 1978 for Group No. 719 California.

You will make the customary search of the Lake County Records at Lakeport, California for information relative to this project.

Your local contacts for the Sulphur Bank job is the Chairman, Marvin Brown, P.O. Box 317, Clear Lake Oaks, California.

Time and attendance and all obligation documents will be coded to:

Field: YA-131-4950-6552-8319
Office: YA-131-4950-6652-8319

cc:
WO,420
SD, California
DSC Rdg. file
D-130

SUMMARY

The Special Instructions are an important document and should be well prepared. Good quality bond paper should be used. Most offices prepare the Special Instructions on legal size paper, (although letter size is also used in one state) typed on one side only, and stapled into a heavy backing paper which is traditionally blue in color.

The following pages contain 3 complete sets of Special Instructions, selected to show the full format and a limited indication of a properly prepared set of Special Instructions.

United States Department of the Interior
Bureau of Land Management
State Office
729 NE. Oregon, P. O. Box 2965
Portland, Oregon 97208

August 22, 1979

SPECIAL INSTRUCTIONS

Group Number 993, Oregon

Dependent Resurvey of Portions of the North and South Boundaries,
a Portion of the Subdivisional Lines,
Subdivision of Certain Sections,
and Metes and Bounds Survey of Certain Parcels,
T. 24 S., R. 13 W., Willamette Meridian, Oregon

In the execution of the surveys included under Group Number 993, Oregon, the Chief of Party is authorized and directed to make the described examinations, retracements, reestablishments of points of control, surveys, and resurveys hereinafter set out. He will be guided by the Manual of Surveying Instructions, 1973, the provisions of the following special instructions, and such supplemental instructions as may be issued pursuant to the report of complications developed during the progress of the work or by reason of additional authorization.

Authority

The request for this survey is from the Forest Supervisor, Siuslaw National Forest, dated February 23, 1978, to mark and define a portion of the boundary of the Oregon Dunes National Recreation Area for administrative purposes.

Appropriation

The costs of the field and office work incurred in the execution of the surveys herein described within approved official regulations, are payable from the appropriation "Protection and Utilization of Forest Lands, Land Line Location Program, Forest Service", transferred to the Bureau of Land Management, as authorized by the Act of May 21, 1920, (as amended) 31 U.S.C. 686.

Limit and Character of Work

The field work embraced in this authorization is limited to the retracement and dependent resurvey of portions of the north and south boundaries and subdivisional lines, T. 24 S., R. 13 W., Willamette Meridian, Oregon, the subdivision of certain sections to the extent necessary to delineate the federal public lands therein, and the survey of certain parcels of land described by metes and bounds description as outlined in red on the attached Special Instructions Diagram. The resurvey of control lines and the establishment of 1/16 section corners or other corners on these lines are authorized providing that they can be accomplished without additional retracement.

History of Earlier Surveys

The north boundary of sections 3 and fractional section 4, the east boundary or Coast Meridian, the south boundary, a portion of the subdivisional lines, and the meanders of the Pacific Ocean were surveyed by Harvey Gordon, in 1857, as shown on the official plat of survey approved January 18, 1858.

A portion of the east boundary or Coast Meridian, was retraced by James Aiken, in 1870, as shown on the official plat of survey of T. 24 S., R. 12 W., approved January 9, 1872.

The remaining portions of the north boundary and subdivisional lines were surveyed by William Hall, in 1878, as shown on the official plat of survey approved June 12, 1879.

The north boundary of sections 3 and fractional section 4 were dependently resurveyed by Peter A. Peterson, in 1976, as shown on the official plat of survey of T. 23 S., R. 13 W., accepted February 17, 1978.

Method and Order of Procedure

Retracements and resurveys will be made in the manner described in Sections 5-1 to 6-33 of the Manual. Proper methods of corner monumentation are described in Chapter IV of the Manual. Sections 3-85 to 3-92, and 7-8 to 7-15 of the Manual describe the proper methods of subdividing sections. Metes and bounds surveys will be made as described in Section 7-16 of the Manual.

Lines to be resurveyed and surveyed, together with 1/16 section corners and other corners required for section subdivision, are depicted on the diagram attached to these special instructions. The meanders of the Pacific Ocean will be retraced, and if necessary, adjusted between meander corners.

The Siuslaw National Forest has acquired tracts of land and they are included within the boundaries of the Oregon Dunes National Recreation Area. The boundaries of some of these tracts located in sections 10 and 15 are described by metes and bounds. The Party Chief will need to verify the descriptions provided with the data for this Group with the Lands Staff, Siuslaw National Forest to assure accuracy of the descriptions.

There are numerous bodies of water in this township including lakes, sloughs, and Coos Bay, most of which were meandered by Harvey Gordon, in 1858. There is no requirement to retrace the meanders of these water courses.

All angle points for parcels surveyed by metes and bounds will be monumented with regulation iron posts and marked as described in Section 4-45 of the Manual.

Instruction Memorandum No. 79-441, dated May 21, 1979, requires a primary tie to a triangulation station from a corner of this survey, utilizing Third Order, Class I methods. The nearest known published triangulation stations are "Coos Bay, Light No. 7" and "Glasgow Wharf". Both of these stations should be visited and considered for use in meeting the requirements of this Instruction Memorandum.

All lines not forming a closure will be measured twice to preclude error. Only those lines bounding or crossing federal public lands will be blazed; however, since this entire survey is within the Dunes National Recreation Area, blazing of lines should be consistent with the administrative needs of the Forest Service. Damage to timber of commercial or scenic value will be avoided; therefore, special care will be exercised in the projection of all lines.

Diagrams and Data

Copies of the plats of survey of the township, including those performed by private surveyors, will be furnished, together with a transcript of the field notes of the survey, to the anticipated extent necessary to complete the survey. The Chief of Party is charged with the inspection and evaluation of local survey records and the collection of evidence possessed by local residents and others who may have knowledge of corners or survey conditions.

Copies of the latest USGS quadrangle maps and all pertinent data relative to horizontal control will be furnished. If other data is available, this office will, upon request, assist the Party Chief in obtaining it.

Field Notes, Plats, and Reports

The field note record will be prepared under the direction of this office, and will contain a technical record of the entire proceeding. The record will include the precise course and length of each line surveyed, with a full report of the character of the land, soil, timber, and undergrowth along the lines traversed, and a detailed schedule of the topographical features encountered along every line.

Modification of Instructions

The Chief of Party will promptly notify this office if further instructions are needed, together with a recommended procedure.

Daniel L. Berry

Daniel L. Berry
Acting Chief, Branch of Cadastral Survey

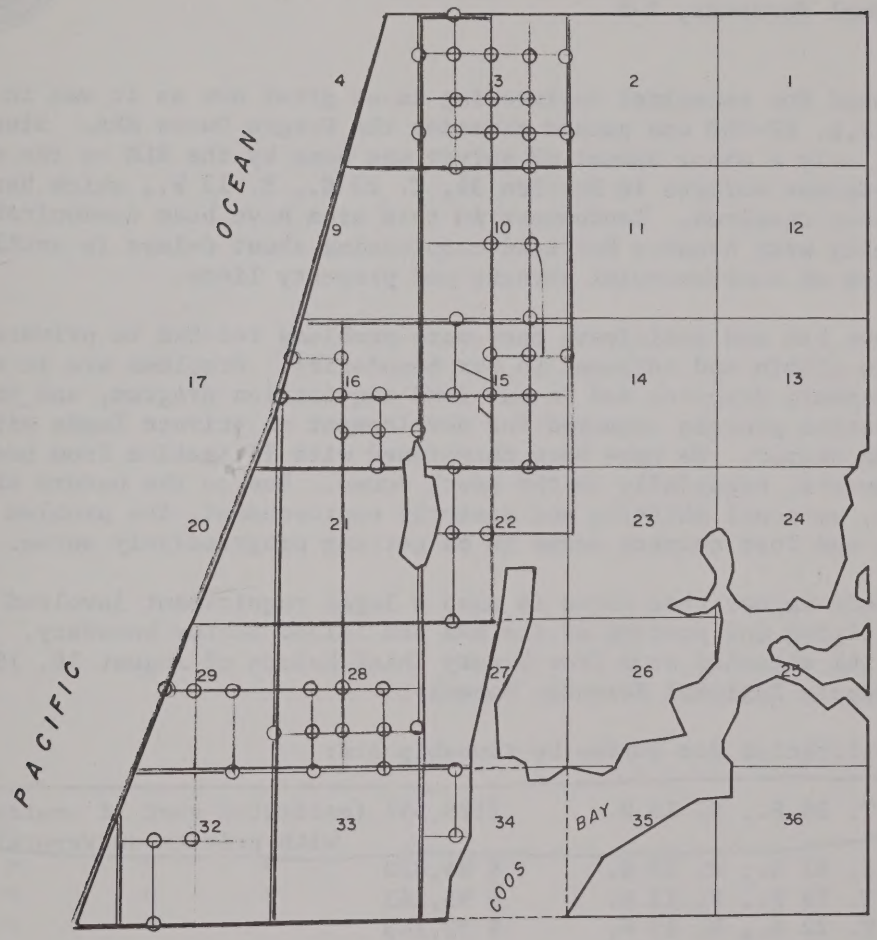
Approved:

Acting William W. Glass
Chief, Division of Technical Services

AUG 22 1979

T. 24 S., R. 13 W.,

Willamette Meridian, Oregon



SPECIAL INSTRUCTIONS DIAGRAM

GROUP NUMBER 993 OREGON

Lines to be surveyed or resurveyed ————

Corners to be established O

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE

SIUSLAW NATIONAL FOREST
P. O. Box 1148, Corvallis, OR 97330

REPLY TO: 7150 Cadastral Engineering

February 23, 1978

SUBJECT: BLM 9800 Cadastral Survey Program
(Your 2/7/78)

TO: Regional Forester, R-6

Our need for cadastral engineering is as great now as it was in 1972 when P.L. 92-260 was passed creating the Oregon Dunes NRA. Since that time, only a minor amount of survey was done by the BLM on the disputed Hall-Gordon corners in Section 34, T. 23 S., R. 13 W., which has still not been resolved. Landowners in this area have been communicating directly with Senator Hatfield complaining about delays in settling the problem of controversial corners and property lines.

We have had and anticipate many more problems related to private landowners within and adjacent to our boundaries. Problems are in the form of boundary disputes and in our land acquisition program, and the certification process required for development on private lands within the Inland Sector. We have been threatened with litigation from hostile landowners, especially in the south dunes. Due to the nature of the dunes, seasonal shifting and easterly encroachment, the problem of land lines and lost corners seems to be getting progressively worse.

It would appear that there is also a legal requirement involved in identifying and posting of the NRA and Inland Sector boundary. Please note the attached memo from Deputy Chief Nelson of August 16, 1974, and the Deputy Regional Forester Kopecky.

Our priorities for survey by township are:

1.	T. 24 S., R. 13 W.	$129,551	(estimated cost if contracted with private surveyors)		
2.	T. 23 S., R. 13 W.	$ 84,810	"	"	"
3.	T. 19 S., R. 12 W.	$ 95,163	"	"	"
4.	T. 22 S., R. 13 W.	$ 32,143	"	"	"
5.	T. 21 S., R. 12/13 W.	$ 90,247	"	"	"
6.	T. 18 S., R. 12 W.	$ 27,339	"	"	"
7.	T. 20 S., R. 12 W.	$135,036	"	"	"
	Total	$594,289			

John O. Williamson

/s/ LARRY A. FELLOWS
Forest Supervisor

F.S. R-6
RECEIVED
FEB 27 1978

Enclosure

cc: Long - R.O.
Jackson - R.O.
Rebar - S.O.

United States Department of the Interior
Bureau of Land Management
Western Field Office
710 N.E. Holladay Street
Portland, Oregon 97232

January 29, 1979

SPECIAL INSTRUCTIONS

Group No. 731, California

Providing for the Survey of the Big Pine Indian Reservation
in Sections 17, 19, and 20, T. 9 S., R. 34 E., Mount Diablo Meridian, California

In the execution of the surveys included under Group No. 731, California, the chief of the field party is authorized and directed to make the described examination, retracements, resurveys, and surveys, hereinafter set out. He will be guided by the Manual of Surveying Instructions, 1973, the provisions of the following Special Instructions, and such Supplemental Instructions as may be issued pursuant to the report of complications developed during the progress of the work or by reason of additional authorization.

Authority

The request for this survey is from the Bureau of Indian Affairs, Sacramento Area Office, Sacramento, California, by letter dated November 8, 1978.

Appropriation

The cost of the field and office work incurred in the execution of the retracement, resurveys, and surveys, herein directed within approved regulations, are payable from reimbursable funds made available by the Bureau of Indian Affairs (Act of May 21, 1920, as amended, 31 U.S.C. 686).

Limit and Character of Work

The field work embraced in this authorization is limited to the retracement, dependent resurvey, and subdivision of sections 17, 19, and 20, and the delineation and monumentation of an excepted parcel in the E½ of the W½ of the SW¼ of section 17, T. 9 S., R. 34 E., Mount Diablo Meridian, California, to the extent necessary to delineate the boundaries of the Big Pine Indian Reservation. The retracement and resurvey of any necessary control lines is authorized, together with the establishment of 1/16 section or lesser order corners, providing they identify federally administered lands and can be accomplished without additional retracement. Anticipated corner monumentation is indicated on Diagrams "A" and "B", attached. Points of control for subdivision of sections need not be monumented if they are completely surrounded by patented lands and the owners object to such monumentation.

History of Earlier Surveys

The history of earlier surveys pertaining to this resurvey is as follows:

Portions of the north, south, and west boundaries and subdivisional lines were surveyed by Alexi W. Von Schmidt, Deputy Surveyor, in 1855-56, as shown on the official plat of survey approved November 12, 1856.

A portion of the west boundary was dependently resurveyed by Guy Redwine, U.S. Surveyor, in 1914, as shown on the official plat of survey of T. 9 S., R. 33 E., approved March 21, 1918.

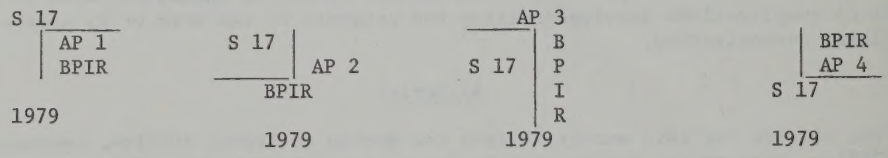
The south and west boundaries and subdivisional lines were completed, and a portion of the subdivisional lines were retraced and/or resurveyed by Dupree R. Averill, U. S. Surveyor, Wesson Cook, U. S. Transitman, 1924, as shown on the official plat of survey accepted July 15, 1926.

Method and Order of Procedure

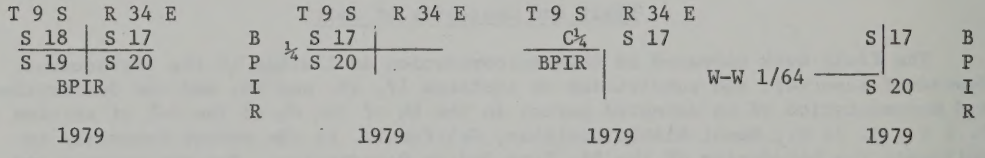
Retracements and resurveys will be made in the manner described in Sections 5-1 through 6-32 of the Manual. Subdivision of sections is described in Sections 3-85 through 3-92; surveys of tracts, special subdivision of sections and metes-and-bounds surveys are described in Sections 7-5 through 7-16 of the Manual. Proper methods of corner monumentation are described in Chapter IV of the Manual.

The areas to be resurveyed and surveyed were exchanged from the City of Los Angeles to the United States of America to be held in trust for Owens Valley bands of Indians under the Act of April 20, 1937 (50 Stat. 70) and were transferred by deed dated June 26, 1939. A copy of that portion of the deed referring to the areas affected by this survey, described in the deed under "TRACT B", is attached.

The survey of the E½ of the W½ of the SW¼ of section 17 will be accomplished in the normal procedure. The excepted parcel will then be surveyed and the corners of the parcel will be monumented and marked as Angle Points numbered 1 through 4 as indicated on Diagram "B" attached. The angle points will be marked in the following manner:



The normal section, ¼ section and 1/16 section corners on the exterior boundaries of the Big Pine Indian Reservation will be marked to indicate the reservation boundary and the marks BPIR added. The following diagrams indicate selected examples of typical corner markings:



Corners which have been locally monumented in an adequate manner and sufficiently marked will not be disturbed. Corners which fall in roadways or streets will be monumented with regulation iron posts or brass tablets in a manner which will least disturb the road surface and yet provide for ready identification and recovery of the corner point.

The area to be resurveyed and surveyed is adjacent to the town of Big Pine, California. The chief of party will be responsible for the research of local records for private surveys, city subdivisions, surveys by Inyo County, California Department of Transportation, Department of Water and Power of the City of Los Angeles, and similar sources for information concerning corner perpetuations and use, upon which this survey may depend. Local property owners will be contacted before proceeding with the survey across privately-owned lands. Every effort will be made in projecting survey lines not to damage private property.

All lines not forming a closure will be chained twice to preclude error.

Triangulation Stations and Bench Marks

If feasible, make ties to the definite and established triangulation stations of the Coast and Geodetic and Geological Surveys, and any Government bench marks that exist within or near the confines of the work.

Diagrams and Data

Copies of the plats of survey of the township will be furnished together with a transcript of the field notes to the anticipated extent necessary to complete the resurvey. Additional data will be supplied upon request.

Field Notes, Plats, and Reports

The field note record will be prepared under the direction of the supervising office, and will contain a technical record of the entire proceeding. Included will be the precise course and length of each line surveyed, with a full and complete description of all corners recovered and monuments established, a report of the character of the land, soil, timber, and undergrowth along the lines traversed, and a detailed schedule of the topographical features encountered along every line.

Modification of Instructions

The chief of the party will promptly notify the supervising office if additional or modified instructions are needed together with a recommended procedure.

William M. Smart
Chief, Branch of Cadastral Surveys
Western Field Office

Approved:

Ed Hastey

FEB 6 1979

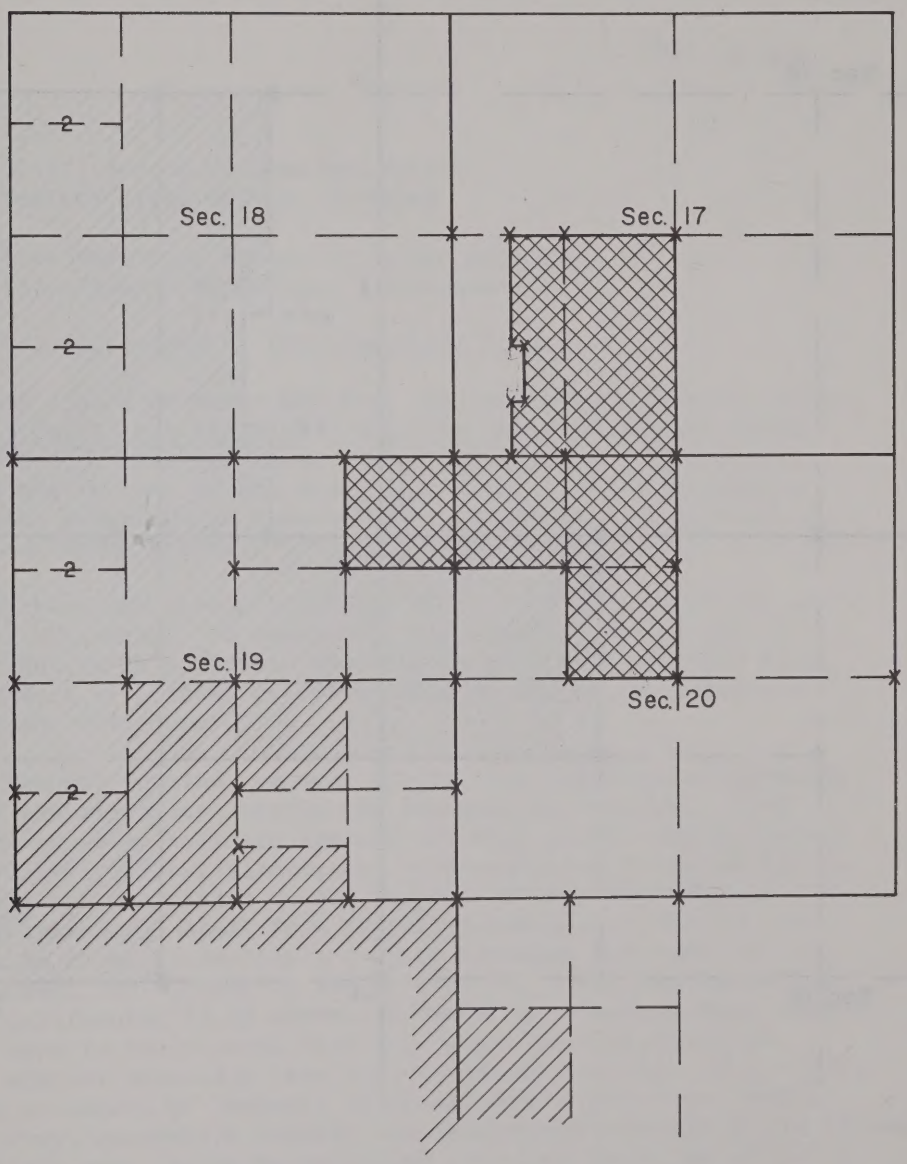
(date)

DIAGRAM "A" to Accompany

Special Instruction

Group 731, California

T. 9 S., R. 34 E., M. D. M.



Indicates Big Pine Indian Reservation Lands

Indicates Public Domain Lands

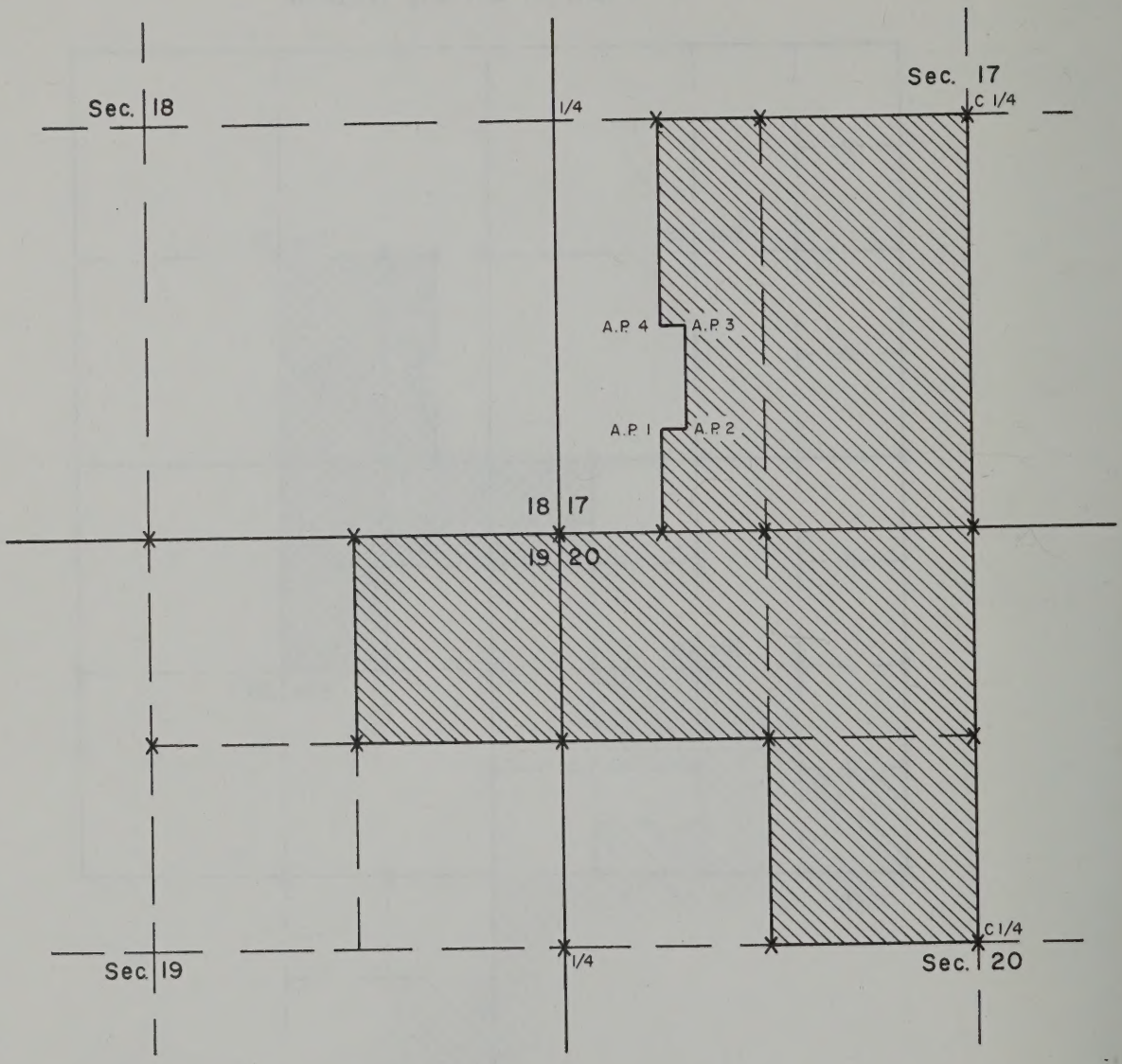
X = Possible Maximum Monumentation Anticipated

DIAGRAM "B" to Accompany

Special Instructions

Group 731, California

T. 9 S., R. 34 E., M. D. M.



Indicates Big Pine Reservation Lands

X = Possible Maximum Monumentation Anticipated

wmc
11/13

731-C

UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF INDIAN AFFAIRS
Sacramento Area Office
2800 Cottage Way
Sacramento, California 95825

IN REPLY REFER TO:

RPM
304-Gen

NOV 8 1978

Memorandum

To: Chief, Bureau of Land Management
Western Field Office, Portland

From: Area Director, Bureau of Indian Affairs
Sacramento Area Office, Sacramento

Subject: Priorities for FY 1979 Cadastral Survey

Attached are copies of memoranda from the Southern California, Hoopa, and Central California Agencies containing their respective recommendations for FY 1979 cadastral survey priorities. The agencies themselves are to rank in the order just named. The Palm Springs Office, which submitted no memorandum, is understood to have no immediate surveying needs.

These priorities are mere guidelines for the actual performance of field work, of course. We recognize, for example, that a survey crew, when set up in a certain locality to work on a priority item, might also work with lower priority items nearby in the interests of economy and efficiency.

With that thought in mind, we urge special but nonpriority treatment for one of the allotments within the Pechanga Reservation. That reservation has been accorded seventh priority within the Sacramento Area for resurvey of all allotments, in recognition of circumstances set forth in the memorandum to our Central Office, dated February 9, 1978, copy attached. Apart from overall priority, we request consideration be given to earlier survey of Pechanga Allotment No. 62, Pauline Hunter, Lot 4, Section 34, T. 8 S., R. 2 W., San Bernardino Meridian, California, 19.88 acres, if one of your survey crews should happen to work in the general vicinity on any project of higher priority, whether emanating from this Bureau or another. Since 1971, the Indian co-owners of Pechanga Allotment No. 62 have been asking for a resurvey, generating several congressional inquiries in the process. Possibly their needs might be satisfied with less delay and no extra cost overall by making a tie with monuments set for Lot 8 in Section 26 and Lot 13 in Section 27, T. 8 S., R. 2 W., San Bernardino Meridian,

California, for which a dependent resurvey by Glenn F. Goodson was approved by the Bureau of Land Management on March 25, 1971. This suggestion was offered by one of the Indian co-owners, Mrs. Emily Hunter Judkins, in a letter to our Central Office dated July 17, 1978, copy attached.

William E. Finale

William E. Finale

Attachments

OPTIONAL FORM NO. 10
JULY 1973 EDITION
GSA FPMR (41 CFR) 101-11.6

UNITED STATES GOVERNMENT

Memorandum

ROUTING	FOR	INIT.
Area Dir.	1	
~~Deputy~~	1	
Adm Offr.		
Personnel		
Budget		
Finance		
P & S		
Housing		
Trib. Oper.		
Claims		
Comm. Serv.		
Empl. Asst.		
Forestry		
Realty	✓	
Programs		
Ind. Dev.		
Land Oper.		
Roads		
M & F		
1. Info.		2. Action

Acting

TO : Area Director, Sacramento Area Office

DATE: OCT 24 1978

FROM : Acting Superintendent
Central California Agency

SUBJECT: Priorities for FY 79 Cadastral Surveys

The following comprises the priority of cadastral surveys on Reservation and/or Rancheria lands under the jurisdiction of the Central California Agency:

1. Big Pine Reservation
2. *Round Valley Reservation
3. Middletown Rancheria
4. *Tule River Reservation

*Portions of reservation boundaries

Jimmie Wolf, Jr.

Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

16-116

731-C Volume 45 -- Inyo County

D E E D

THIS INDENTURE, made this 26 day of June, 1939, by and between The City of Los Angeles, a municipal corporation organized and existing under and by virtue of the laws of the State of California, and the Department of Water and Power of The City of Los Angeles, a department of said City created and existing under and by virtue of the Charter of said The City of Los Angeles, hereinafter collectively referred to as "grantor", and The United States of America in trust for such tribes, bands or groups of Indians of Owens Valley, California, as may be designated by the Secretary of the Interior, under the Act of April 20, 1937 (50 Stat. 70), hereinafter referred to as "grantee".

W I T N E S S E T H:

WHEREAS, the parties hereto duly and regularly entered into a certain agreement, dated the 18th day of May, 1938, in the words and figures following, to wit:

"A G R E E M E N T

"1. THIS AGREEMENT, Made and entered into this 18th day of May, 1938, by and between the United States of America, acting herein by the Secretary of the Interior, and hereinafter for brevity referred to as the United States, and The City of Los Angeles, a municipal corporation of the State of California, acting herein pursuant to ordinances duly enacted by the Council of said City, and the Department of Water and Power of The City of Los Angeles, a department organized and existing under the Charter of said

"TRACT B"

"The East Half (E½) of the Southwest Quarter (SW¼) and the East Half (E½) of the West Half (W½) of the Southwest Quarter (SW¼) of Section Seventeen (17), Township Nine (9) South, Range 34 East, M.D.B. & M., EXCEPTING therefrom the following parcel of land, the same being a portion of the east side of that parcel commonly known as the Big Pine Union High School lot, said portion being bounded and described as follows, to wit:

"Commencing at a point 777 feet north and 740 feet east of the southwest corner of said Section 17; running thence north 500 feet along the western boundary of a sixty-foot street; thence west 80 feet, more or less, along the southern boundary of a sixty-foot street to the west line of the East Half (E½) of the West Half (W½) of the Southwest Quarter (SW¼) of said Section 17; thence south 500 feet along the said west line of the East Half (E½) of the West Half (W½) of the Southwest Quarter (SW¼) of said Section 17; thence east 80 feet, more or less, along the northern boundary of a sixty-foot street to the place of beginning, containing 0.92 acres, more or less.

"The Northeast Quarter (NE¼) of the Northeast Quarter (NE¼) of Section 19, Township Nine (9) South, Range Thirty-four (34) East, M.D.B. & M.

"The East Half (E½) of the Northwest Quarter (NW¼), and the Northwest Quarter (NW¼) of the Northwest Quarter (NW¼) of Section 20, Township Nine (9) South, Range Thirty-four (34) East, M.D.B. & M.

"Said Tract "B" contains 279.08 acres, more or less.

United States Department of the Interior
Bureau of Land Management
Western Field Office
710 N.E. Holladay Street
Portland, Oregon Oregon 97232

January 29, 1979

SPECIAL INSTRUCTIONS

Group No. 732, California

Providing for the Preliminary Retracements and Investigation
of the North and East Boundaries and Center Line
of Section 3, T. 9 S., R. 1 E., San Bernardino Meridian, California

In the execution of the surveys included under Group No. 732, California, the chief of the field party is authorized and directed to make the described investigations and retracements, hereinafter set out. He will be guided by the Manual of Surveying Instructions, 1973, the provisions of the following Special Instructions, and such Supplemental Instructions as will be issued pursuant to the report of the investigation, or by reason of additional authorization.

Authority

The request for this survey is from the Bureau of Indian Affairs, Sacramento Area Office, Sacramento, California, by letter dated November 8, 1978, to determine the boundaries of the NE¼ NW¼, section 3, T. 9 S., R. 1 E., San Bernardino Meridian, California.

Appropriation

The cost of the field and office work incurred in the execution of the retracement, resurveys, and surveys, herein directed within approved regulations, are payable from reimbursable funds made available by the Bureau of Indian Affairs (Act of May 21, 1920, as amended, 31 U.S.C. 686).

Limit and Character of Work

The field work embraced in this authorization is limited to the retracement and investigation of the existing condition of surveys of the north and east boundaries and the north 20 chs. of the north and south center line of section 3, T. 9 S., R. 1 E., San Bernardino Meridian, California, to the extent necessary to form a basis for determining the methods and procedure for a completion survey and subdivision of section 3.

History of Earlier Surveys

The pertinent history of previous surveys is as follows:

1853 - James E. Freeman, Deputy Surveyor, surveyed the San Bernardino Meridian along the west boundaries of Tps. 8 and 9 S., R. 1 E.

1855 - R. C. Matthewson, Deputy Surveyor, surveyed an offset of the Second Standard Parallel South along the first latitudinal line in T. 8 S., R. 1 E., ran South "bet. secs. 34 and 35", established the standard cor. of secs. 2 and 3, on the north boundary of T. 9 S., R. 1 E., and then surveyed the Standard Parallel along the north boundary of secs. 1 and 2, establishing standard cors. referring to T. 9 S., R. 1 E. The Matthewson survey is shown on the official plat of survey of T. 8 S., R. 1 E., approved March 27, 1878.

1878 - M. G. Wheeler, Deputy Surveyor, surveyed a portion of the subdivisional lines in T. 8 S., R. 1 E. Wheeler found errors in the offset line surveyed by Matthewson, and established new corners along the first latitudinal line for the subdivision of T. 8 S., R. 1 E. Wheeler surveyed south between secs. 33 and 34 and established the cor. of secs. 33 and 34 on the south boundary of T. 8 S., R. 1 E., then ran East 40 chs. and established the ¼ sec. cor. on the south boundary of sec. 34. The Wheeler surveys are also shown on the official plat of survey approved March 27, 1878.

1884 - Charles J. Fox. Deputy Surveyor, retraced the Second Standard Parallel South, along the north boundary of secs. 1 and 2 and reported recovery of all the 1855 Matthewson corners. Fox then surveyed the north boundary of sec. 3, and stated that he could find no trace of the 1878 Wheeler cors. for sec. 34, T. 8 S., R. 1 E. Fox also surveyed secs. 1 and 2 and the north 20 chs. of the north and south center line of sec. 3. The Fox surveys are shown on the official plat of survey approved December 13, 1884.

1894 - G. W. Pearson, Deputy Surveyor, resurveyed the line between secs. 34 and 35, T. 8 S., R. 1 E., and established the closing corner of those sections 40 lks. West of the standard cor. of secs. 2 and 3, T. 9 S., R. 1 E. Pearson resurveyed the Standard Parallel along the north boundary of secs. 1, 2, and 3, finding the Matthewson-Fox cors. for secs. 1 and 2, and the 1878 Wheeler ¼ sec. cor. of sec. 34 and Wheeler cor. of secs. 33 and 34. Pearson stated that he found no trace of the (Fox) standard cors. for sec. 3, i.e., standard ¼ sec. cor. and standard cor. of secs. 3 and 4. Pearson completed the survey of the Second Standard Parallel South, through R. 1 E., using the Wheeler cor. of secs. 33 and 34, and marking the corners as standard cors. on the south boundary of T. 8 S., R. 1 E. The Pearson surveys are shown on the official plat of survey of T. 8 S., R. 1 E., approved October 11, 1895.

1938 - Roger F. Wilson, Surveyor, resurveyed the west 4 miles of the Second Standard Parallel South, through R. 1 E., resurveyed portions of the east boundary and subdivisional lines and completed the survey of several sections within T. 9 S., R. 1 E. Wilson recovered and remonumented the Matthewson-Fox-Pearson standard cor. of secs. 2 and 3, the Wheeler-Pearson ¼ sec. cor. of sec. 34, the Wheeler cor. of secs. 33 and 34, and the Pearson cors. of sec. 33 on the south boundary of T. 8 S., R. 1 E. Wilson's notes state that he found no trace of the Fox standard ¼ sec. cor. of sec. 3, nor the Fox standard cor. of secs. 3 and 4. Wilson found an "old mound of stone" at a point 2.12 chs. W. and 0.23 chs. N. of the Wheeler cor. of secs. 33 and 34 which he tentatively identified as "possibly the Pearson stan. cor. of secs. 33 and 34". Wilson remonumented the Wheeler cors. of sec. 34 and marked them as standard cors. and as cors. for sec. 3 as well.

Method and Order of Procedure

Retracements and resurveys will be made in the manner described in Sections 5-1 through 6-32 of the Manual.

The purpose of the initial retracements and investigation is to determine the exact conditions which exist upon the ground and thus form a basis for determining a plan for completing the survey and subdivision of section 3.

The east and north boundaries of section 3 will be retraced, with thorough and exhaustive search made for the Fox cors. on the north boundary of the section. Retracements should be extended to the Pearson standard ¼ sec. cor. of sec. 33 and thorough examination made of the mound of stone reported by Wilson, west of the cor. of secs. 33 and 34, with the objective of determining its origin.

The north 20 chs. of the N-S center line of section 3 will be retraced, with all improvements (buildings, roads, fences, etc.) within 5 chs. of the line tied in. Thorough and exhaustive search will be made for any evidence of the "¼ ¼" sec. cor. (C-N 1/16) established by Fox in 1884.

Temporary points will be established along all lines retraced at positions which will facilitate the establishment of permanent monuments necessary to delineate the federal lands within section 3 when executing the resurvey and completion survey of the section. Land status is shown on the Master Title Plat of T. 9 S., R. 1 E.

After all retracements and investigations are completed, the chief of party will promptly prepare a complete report of conditions found, showing bearings, distances, evidence recovered and the aforementioned improvements, along with conclusions. The report will form the basis of Supplemental Special Instructions for the completion and subdivision of section 3.

Should any results of the retracements differ materially from the resurvey returned by Wilson in 1938, that portion will be measured twice to preclude error.

Local property owners will be contacted before proceeding with the survey across privately-owned lands. Every effort will be made not to damage private property or timber and shrubbery having commercial, scenic, or aesthic values.

The chief of party will be responsible for the research of local records for private or other surveys which may have been made and which may have an effect upon this survey.

Triangulation Stations and Bench Marks

If feasible, make ties to the definite and established triangulation stations of the Coast and Geodetic and Geological Surveys, and any Government bench marks that exist within or near the confines of the work.

Diagrams and Data

Copies of the plats of survey of the township will be furnished together with a transcript of the field notes to the anticipated extent necessary to complete the resurvey. Additional data will be supplied upon request.

Field Notes, Plats, and Reports

The field note record will be prepared under the direction of the supervising office, and will contain a technical record of the entire proceeding. Included will be the precise course and length of each line surveyed, with a full and complete description of all corners recovered and monuments established, a report of the character of the land, soil, timber, and undergrowth along the lines traversed, and a detailed schedule of the topographical features encountered along every line.

Modification of Instructions

The chief of the party will promptly notify the supervising office if additional or modified instructions are needed together with a recommended procedure.

William M. Smart
Chief, Branch of Cadastral Surveys
Western Field Office

Approved:

Ed Hastey

FEB 6 1979

(date)

wmc
11/13

UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF INDIAN AFFAIRS
Sacramento Area Office
2800 Cottage Way
Sacramento, California 95825

IN REPLY REFER TO:

RPM
304-Gen

NOV 8 1978

Memorandum

To: Chief, Bureau of Land Management
Western Field Office, Portland

From: Area Director, Bureau of Indian Affairs
Sacramento Area Office, Sacramento

Subject: Priorities for FY 1979 Cadastral Survey

Attached are copies of memoranda from the Southern California, Hoopa, and Central California Agencies containing their respective recommendations for FY 1979 cadastral survey priorities. The agencies themselves are to rank in the order just named. The Palm Springs Office, which submitted no memorandum, is understood to have no immediate surveying needs.

These priorities are mere guidelines for the actual performance of field work, of course. We recognize, for example, that a survey crew, when set up in a certain locality to work on a priority item, might also work with lower priority items nearby in the interests of economy and efficiency.

With that thought in mind, we urge special but nonpriority treatment for one of the allotments within the Pechanga Reservation. That reservation has been accorded seventh priority within the Sacramento Area for resurvey of all allotments, in recognition of circumstances set forth in the memorandum to our Central Office, dated February 9, 1978, copy attached. Apart from overall priority, we request consideration be given to earlier survey of Pechanga Allotment No. 62, Pauline Hunter, Lot 4, Section 34, T. 8 S., R. 2 W., San Bernardino Meridian, California, 19.88 acres, if one of your survey crews should happen to work in the general vicinity on any project of higher priority, whether emanating from this Bureau or another. Since 1971, the Indian co-owners of Pechanga Allotment No. 62 have been asking for a resurvey, generating several congressional inquiries in the process. Possibly their needs might be satisfied with less delay and no extra cost overall by making a tie with monuments set for Lot 8 in Section 26 and Lot 13 in Section 27, T. 8 S., R. 2 W., San Bernardino Meridian,

California, for which a dependent resurvey by Glenn F. Goodson was approved by the Bureau of Land Management on March 25, 1971. This suggestion was offered by one of the Indian co-owners, Mrs. Emily Hunter Judkins, in a letter to our Central Office dated July 17, 1978, copy attached.

William E. Finale

William E. Finale

Attachments

10/31 [illegible]

UNIT STATES GOVERNMENT

memorandum

DATE: September 29, 1978

REPLY TO ATTN OF: Southern California Agency

In reply refer to:
Real Prop. Mgmt.
304.2 Boundaries-General

SUBJECT: Priorities for FY 79 Cadastral Survey

TO: Area Director, Sacramento Area Office

This is in reference to your memorandum of September 26, subject as shown above.

The following is a summary of the list of recommended priorities for cadastral surveys:

1. Public Domain-29
2. Barona - [illegible] - CE 703-C also per [illegible], 12/11/75
3. Pala
4. Morongo
5. Mesa Grande
6. Pechanga
7. Public Domain-34
8. Cuyapaipe
9. Augustine

Superintendent

Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

OPTIONAL FORM NO. 10
(REV. 7-76)
GSA FPMR (41 CFR) 101-11.6
5010-112

memorandum

United States Department of the Interior
Bureau of Land Management
Western Field Office
710 N.E. Holladay Street
Portland, Oregon 97232

April 17, 1979

SUPPLEMENTAL SPECIAL INSTRUCTIONS

Group No. 732, California

Providing for the Completion Survey and Subdivision of Section 3,
T. 9 S., R. 1 E., San Bernardino Meridian, California

The Special Instructions for Group 732, California, dated January 29, 1979, are hereby supplemented to provide for the dependent resurvey of the north and east boundaries, the north 20 chs. of the north and south center line, the completion survey of the south and west boundaries and the subdivision of section 3, T. 9 S., R. 1 E., San Bernardino Meridian, California, to the extent necessary to define the boundaries of the federal lands within section 3.

The investigation and subsequent report dated March 20, 1979, called for in the Special Instructions found the following:

1. Matthewson-Fox-Pearson-Wilson standard cor. of secs. 2 and 3.

2. The Fox-Wilson 1/4 sec. cor. of secs. 2 and 3.

3. The cor. of secs. 2, 3, 10, and 11, reestablished by Wilson based on the Fox record.

4. The Wheeler-Pearson-Wilson standard 1/4 sec. cor. of sec. 34.

5. The Wheeler-Pearson-Wilson standard cor. of secs. 33 and 34.

6. The Pearson-Wilson standard 1/4 sec. cor. of sec. 33.

7. There are no improvements in sec. 3 which can be used to help identify the location of the Fox survey.

Method and Order of Procedure

The areas returned for sec. 3, T. 9 S., R. 1 E., are based on the 1884 survey executed by Charles J. Fox as shown on the plat approved December 13, 1884. The completion and subdivision of section 3 will be based on the information shown on that plat.

The north boundary of sec. 3 has always been shown as a common line with the standard parallel and there has been no evidence found in the investigation to indicate more than one line. Therefore, the Wilson standard 1/4 sec. cor. of sec. 34, the standard cor. of secs. 33 and 34, and the standard 1/4 sec. cor of sec. 33 will control alignment along the north boundary of sec. 3. Wilson marked his corners for secs. 3 and 34. This does not protect the Fox plat, however, and the marks on Wilson's brass caps will be changed to apply to sec. 34 and secs. 33 and 34 only. The 1/4 sec. cor. of sec. 3 on the north boundary and the corner of secs. 3 and 4 on the north boundary will be reestablished at the Fox record distance in departure (40 and 80 chs.) west of the standard cor. of secs. 2 and 3 on the standard parallel.

The south boundary of sec. 3 will be surveyed west from the cor. of secs. 2, 3, 10, and 11 which was reestablished by Wilson. Establish the 1/4 sec. cor. of secs. 3 and 10 at 40 chs. in departure and the cor. of secs. 3 and 10 at a point due south of the reestablished cor. of secs. 3 and 4 on the north boundary. Survey the west boundary of sec. 3, north to the cor. of secs. 3 and 4 on the north boundary, establishing the 1/4 sec. cor. for secs. 3 and 4 at 40 chs. in latitude south of the cor. of secs. 3 and 4, and the N. 1/16 sec. cor. for secs. 3 and 4 at 20 chs. in latitude south of the cor. of secs. 3 and 4 on the north boundary.

The north and south center line of sec. 3 will be resurveyed record bearing and distance (South, 20 chs.) from the reestablished Fox 1/4 sec. cor. of sec. 3 to the center N. 1/16 sec. cor., thence southerly on a bearing to intersect the south boundary at the 1/4 sec. cor. of secs. 3 and 10. The east and west center line will be surveyed on a straight line between opposite 1/4 sec. cors., with the center 1/4 sec. cor. at intersection with the north and south center line.

All of the remaining 1/16 sec. cors. and corners of lower order will be established by usual methods described in Sections 3-89 and 7-12 of the Manual. A diagram showing lines to be surveyed, corners to be monumented and computed bearing and distances of all lines in sec. 3 based on the information provided in the investigation is attached.

William M. Smart
Chief, Branch of Cadastral Surveys
Western Field Office

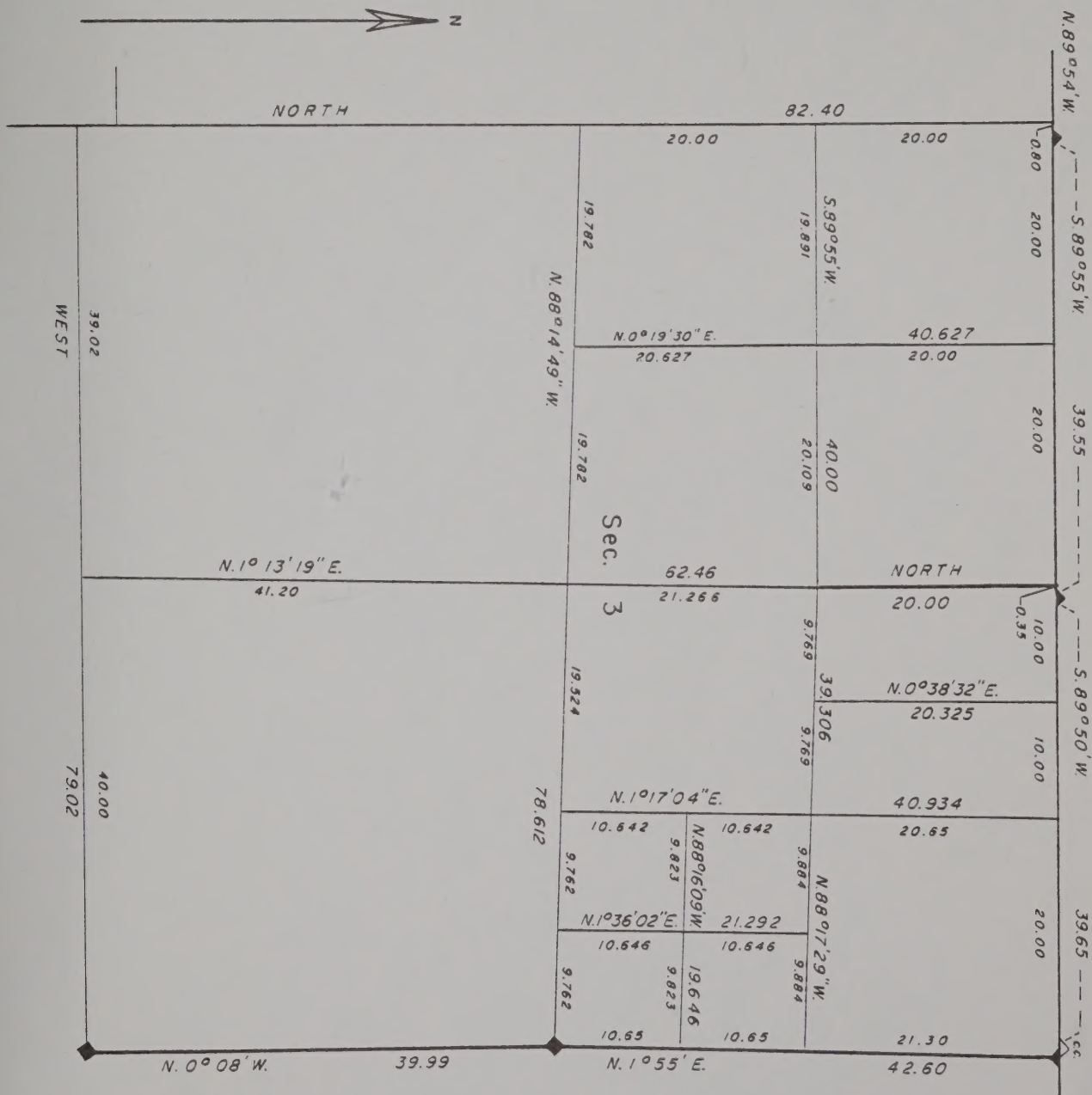
Approved:
Wade T. Holmes

4/25/79
(Date)

DIAGRAM FOR SPECIAL INSTRUCTIONS

GROUP No. 732, CALIFORNIA

T. 9 S., R. 1 E., S. B. M.



GPO 858-634

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